



**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

FILED

07/01/19
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A1907004

Application of California-American Water Company (U210W) for Authorization to Increase its Revenues for Water Service by \$25,999,900 or 10.60% in the year 2021, by \$9,752,500 or 3.59% in the year 2022, and by \$10,754,500 or 3.82% in the year 2023.

Application 19-07-____

(Filed July 1, 2019)

**APPLICATION OF CALIFORNIA-AMERICAN WATER COMPANY (U210W) TO
INCREASE REVENUES IN EACH OF ITS DISTRICTS STATEWIDE**

EXHIBITS A, C-D

**EXHIBIT B IS SUBMITTED IN DISC FORM
BECAUSE ITS SIZE EXCEEDS THE SIZE
LIMITATION OF RULE 1.13(b)(1)(ii)**

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Attorneys for Applicant California-American
Water Company

July 1, 2019

EXHIBIT A

California-American Water Company
(a wholly-owned subsidiary of
American Water Works Company, Inc.)
Financial Statements

May 31, 2019

(Unaudited)

CALIFORNIA-AMERICAN WATER COMPANY**Statement of Operation (Unaudited)****Five Months ended May 31, 2019**

(Dollars in thousands)

| | Five Months Ended |
|--|--------------------------|
| | May 31 |
| | 2019 |
| | Actual |
| | |
| Operating revenues | \$ 77,060 |
| Operating expenses | |
| Operation and maintenance | 48,459 |
| Depreciation | 10,348 |
| Amortization | 836 |
| General taxes | 3,019 |
| Gain on disposition of property | - |
| Impairment charges | - |
| Total operating expenses | 62,662 |
| Operating income | 14,398 |
| Other deductions(income) | |
| Interest on long-term debt | 7,362 |
| Interest on short-term debt to affiliate | 676 |
| Other interest, net | (856) |
| Nonoperating benefit costs, net | (319) |
| AFUDC | (5,542) |
| Amortization of debt expense | 224 |
| Other (income)/deductions, net | 452 |
| Total other net deductions | 1,996 |
| Income(loss) before income taxes | 12,401 |
| Income tax benefit (provision) | 3,358 |
| Net income(loss) | \$ 9,043 |

CALIFORNIA-AMERICAN WATER COMPANY**Balance Sheets (Unaudited)****As of May 31, 2019**

(Dollars in thousands)

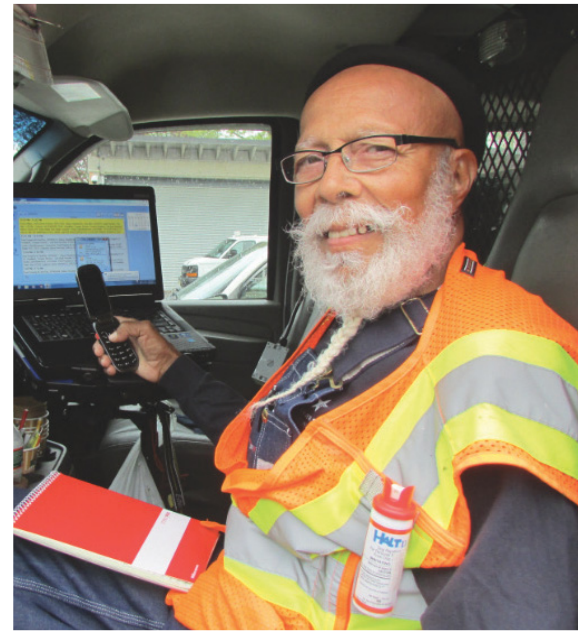
| | Actuals |
|---|------------------|
| <u>Assets</u> | |
| Utility Plant in Service | 1,062,001 |
| Construction Work in Progress | 154,560 |
| Utility Plant Accumulated Depreciation/Amortization | (325,559) |
| Total Utility Plant Adjustments | 1,426 |
| Utility property net of accumulatd depreciation | 892,429 |
| Nonutility property net of accumulatd depreciation | 1,812 |
| Total Property Plant and Equipment | 894,241 |
| Cash and Cash Equivalents | (2,862) |
| Restricted funds-current | 0 |
| Accounts receivable net | 14,853 |
| Unbilled Revenues | 7,373 |
| Materials and supplies | 966 |
| Prepaid other | 0 |
| Assets of discontinued operations | 0 |
| Other Current Assets | 4,903 |
| Total Current Assets | 25,233 |
| Regulatory assets | 271,556 |
| Other investments | 0 |
| Restricted Funds - Long-term | 16 |
| Goodwill | 2,048 |
| Intangible assets | 0 |
| Other Long Term Assets | 3,378 |
| Total Regulatory & Other L/T Assets | 298,070 |
| Total Assets | 1,217,544 |

CALIFORNIA-AMERICAN WATER COMPANY
Balance Sheets (Unaudited)
As of May 31, 2019
(Dollars in thousands)

| | Actuals |
|---|-----------|
| <u>Capital & Liabilities</u> | |
| Common Stock | 92,478 |
| Paid in Capital | 237,825 |
| Retained Earnings | 94,989 |
| Accumulated other comprehensive income | 0 |
| Treasury stock | 0 |
| Total Stockholders' equity | 425,292 |
| Preferred Stock without mandatory redemption requirements | 0 |
| Noncontrolling Interest | 0 |
| Total Equity | 425,292 |
| Long term debt | 388,551 |
| Redeemable preferred stock at redemption value | 0 |
| Total Long-term debt | 388,551 |
| Total Capitalization | 813,843 |
| Short Term Debt | 36,180 |
| Current Portion of Long-term Debt | 4 |
| Current portion of redeemable stock at redemption val | 0 |
| Accounts Payable | 7,236 |
| Accrued Liabilities | 20,219 |
| Taxes Accrued | (3,606) |
| Interest Accrued | 6,120 |
| Liabilities of Discontinued Operations | 0 |
| Other current liabilities | 14,476 |
| Total Current Liabilities | 80,630 |
| Customer Advances for Construction | 20,367 |
| Deferred Income Taxes | 106,166 |
| Deferred Investment tax credits | 251 |
| Regulatory liability | 106,624 |
| Accrued Pension | (2,540) |
| Accrued postretirement benefit expense | 100 |
| Other Deferred Credits | 5,193 |
| Regulatory & Other Long Term Liabilities | 249,504 |
| Contributions in aid of construction | 73,567 |
| Total Capital and Liabilities | 1,217,544 |



2019 PROXY STATEMENT



**PURPOSE DRIVEN.
PEOPLE POWERED.**



CUSTOMER OBSESSED.

**TRUSTED SOURCE
OF EVERYTHING WATER.**




AMERICAN WATER
WE KEEP LIFE FLOWING®





AMERICAN WATER WORKS COMPANY, INC.



March 26, 2019

Dear American Water Shareholder:

I am pleased to invite you to attend American Water's Annual Meeting of Shareholders on May 10, 2019 at the Camden Adventure Aquarium, just steps from our new corporate headquarters on the Camden riverfront.

This year's proxy statement provides you with information on three important matters: namely, the annual meeting, our executive compensation program and our ongoing commitment to sound corporate governance. We continue to expand our corporate governance disclosures for additional transparency.

Last year, we disclosed in our proxy statement our continued commitment to, and actions supporting, environmental, social and governance (ESG) principles. While these principles have always been an important part of how we operate our business, we wanted to make them more visible to you by including them in our proxy statement. Our ESG leadership has been recognized by our inclusion in the 2019 Bloomberg Gender-Equity Index, the NAACP Equity, Inclusion and Empowerment Index, and Barron's 100 Most Sustainable Companies ranking. Also, in 2018, we were recognized by the *Philadelphia Inquirer* as a top-ranked company for diversity, governance and transparency.

We continue to improve and simplify the readability and format of our proxy statement. As we did last year, we have included an executive summary highlighting our operating results for 2018, as well as key operational and financial information. We have also incorporated infographics throughout the proxy statement, highlighting significant facts, figures and milestones, while reducing or eliminating duplicative or unnecessary information. The Board and I believe that these enhancements reflect our commitment to make the proxy statement easier to read and understand.

Additionally, as part of our commitment to investors and consistent with strong corporate governance practices, our Board along with management has continued to maintain a constructive and open dialogue with our shareholders. Our 2018 outreach included meetings with approximately 270 of our investors throughout the year, including an in-person Investor Day in December at our new corporate headquarters, which I and other board members attended. Details of our engagement with shareholders can be found beginning on page 13 of the proxy statement. We encourage you to learn more about our governance and compensation practices by reading the proxy statement and visiting our updated Investor Relations website at <https://ir.amwater.com>.

It is important that your shares be represented and voted at the annual meeting regardless of how many shares you own. Whether or not you plan to attend the annual meeting in person, we encourage you to vote your shares in advance of the annual meeting by using one of the methods described in the accompanying proxy materials. Thank you for your support and continued ownership of American Water.

Sincerely,

Karl F. Kurz
Chairman of the Board



AMERICAN WATER WORKS COMPANY, INC.

1 Water Street
Camden, New Jersey 08102-1658

**NOTICE OF 2019 ANNUAL MEETING OF SHAREHOLDERS
TO BE HELD ON MAY 10, 2019**

The 2019 Annual Meeting of Shareholders of American Water Works Company, Inc. (the "Company") will be held at The Camden Adventure Aquarium, 1 Riverside Drive, Camden, New Jersey 08103, on May 10, 2019, at 10:00 a.m., Eastern time, to consider and take action on the following:

1. election to the board of directors of the eight (8) nominees named in the accompanying proxy statement, each to serve until the date of the 2020 Annual Meeting of Shareholders or until his or her successor has been duly elected and qualified;
2. approval, on an advisory basis, of the compensation of the Company's named executive officers;
3. ratification of the appointment, by the Audit, Finance and Risk Committee of the board of directors, of PricewaterhouseCoopers LLP as the Company's independent registered public accounting firm for 2019;
4. two (2) shareholder proposals, if properly presented at the meeting; and
5. such other business, if any, as may properly be brought before the meeting or any adjournment or postponement of the meeting.

The Company's board of directors has no knowledge of any other business to be transacted at the meeting. Only holders of record of the Company's outstanding common stock as of the close of business on March 15, 2019 are entitled to notice of, and to vote at, the meeting.

If you plan to attend the meeting in person, please refer to page 5 of the accompanying proxy statement for more information. Please note that the use of cell phones and other recording devices is strictly prohibited at the 2019 Annual Meeting of Shareholders.

By Order of the Board of Directors,

Michael A. Sgro
Executive Vice President, General
Counsel and Secretary

March 26, 2019
Camden, New Jersey

Your vote is very important, and you have several options on how to vote your shares. Whether or not you plan to attend the 2019 Annual Meeting of Shareholders, you should read this proxy statement and submit your proxy or voting instructions as soon as possible. For specific instructions on how to vote your shares, please refer to your proxy card, voting instruction form or instructions on the Notice of Internet Availability of Proxy Materials you received. Please also see “The American Water Annual Meeting” beginning on page 1 of the accompanying proxy statement.

We hope to see you at the 2019 Annual Meeting of Shareholders. Please see pages B-1 and B-2 for driving directions to the annual meeting. If you cannot attend in person, you may listen to a live, audio-only webcast of the annual meeting by visiting our Investor Relations website at <https://ir.amwater.com>.

Proxy Statement Summary





This summary highlights information generally contained elsewhere in this proxy statement. This summary does not contain all of the information that you should consider, and you should read the entire proxy statement carefully before voting your shares. For more complete information regarding the Company's 2018 performance, please review the Company's Annual Report on Form 10-K for the year ended December 31, 2018, which we refer to in this proxy statement as the 2018 Form 10-K.

Annual Meeting Information

| <u>DATE & TIME</u> | <u>LOCATION</u> | <u>RECORD DATE</u> |
|--|---|--|
| <p>Friday, May 10, 2019 10:00 a.m., Eastern Time</p> <p>(The doors will open at 9:30 a.m., Eastern time)</p> | <p>The Camden Adventure Aquarium 1 Riverside Drive Camden, New Jersey 08103</p> <p>(Directions and parking information are provided at the back of the proxy statement)</p> | <p>Record holders as of March 15, 2019 are entitled to notice of, and to vote at, the Annual Meeting</p> |

Summary of Matters to be Voted Upon at the Annual Meeting

The following table summarizes the items that will be brought for a vote of our shareholders at the meeting, along with the Board's voting recommendations and the required vote for approval.

| <u>Proposal No.</u> | <u>Description of Proposal</u> | <u>Required Vote for Approval</u> | <u>Board's Recommendation</u> |
|---------------------|--|---|--|
| 1 | <p>To elect eight director nominees</p> <p><i>For more information, see page 15.</i></p> | For each director, majority of votes cast | <p>FOR Each Nominee</p>  |
| 2 | <p>To approve, on an advisory basis, the compensation of our named executive officers</p> <p><i>For more information, see page 31.</i></p> | Majority of shares present and entitled to vote | <p>FOR</p>  |
| 3 | <p>Ratification of the appointment of our independent registered public accounting firm for 2019</p> <p><i>For more information, see page 70.</i></p> | Majority of shares present and entitled to vote | <p>FOR</p>  |
| 4-5 | <p>Two shareholder proposals described in this proxy statement if properly presented at the meeting</p> <p><i>For more information, see pages 72 and 75.</i></p> | Majority of shares present and entitled to vote | <p>AGAINST</p>  |

Our Commitment to Environmental and Social Responsibility

We integrate environmental and social responsibility policies and practices into our daily operations as part of our belief that the only way to do business is to do it responsibly, and that the “how” is just as important as the “what” for long-term financial sustainability. We derive this focus from our vision statement, “clean water for life,” and from our core values of safety, trust, environmental leadership, teamwork and high performance. Our vision and values drive our company strategy, which is centered on five themes:

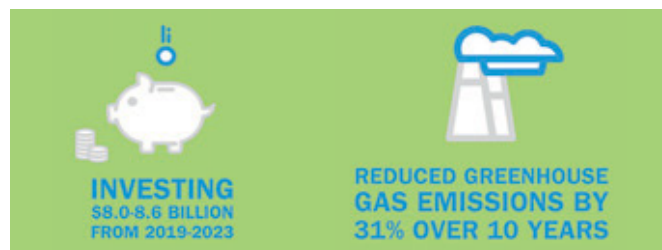
| | |
|---|--|
| Safety <ul style="list-style-type: none"> • Our number one focus is the safety of our employees and customers. • Safety is both a value and a strategy. | Customers <ul style="list-style-type: none"> • Our customers are at the center of everything we do, helping us to shape our strategic priorities. • We challenge ourselves so that if our regulated utility customers had a choice of providers, we would want them to choose us. |
| People <ul style="list-style-type: none"> • We seek to maintain an environment that is open, transparent, diverse and inclusive, and where our people feel valued, included and accountable. • We strive to develop each person to his or her fullest potential. | Operational Excellence <ul style="list-style-type: none"> • Our operational excellence strategy helps us to find better and more efficient ways to do business and provide safe, clean and affordable water services for our customers. |
| Growth <ul style="list-style-type: none"> • We believe that when companies grow, they can invest more in creating stable jobs, training, benefits, infrastructure and their communities. • Our growth benefits all our stakeholders, including our shareholders. | |

In 2017, we issued our fourth biennial Corporate Responsibility Report, covering our performance from 2015 to 2016. Our first report was issued in 2011, making us the first large water services company to measure its performance against the Global Reporting Index.

In addition, in 2018, our sustainability practices have supported our inclusion in the Euronext Vigeo® U.S. 50 index, the FTSE4Good index series, the 2018 Constituent MSCI ESG Leaders Indexes, the inaugural NAACP Equity, Inclusion and Empowerment Index, and the Barron’s 100 Most Sustainable Companies. We were also named by the *Philadelphia Inquirer* as a top-ranked company for diversity, governance and transparency in 2018.

In 2019, we have been included in the Bloomberg Gender-Equality Index, and our ranking in the Barron’s 100 Most Sustainable Companies improved to 23rd from 36th, making us the highest ranking utility in that index.

Highlights of our environmental and social policies and practices include:



| Environmental Responsibility |
|--|
| <ul style="list-style-type: none"> • Expect to spend between \$8.0 billion and \$8.6 billion on capital investments from 2019 to 2023, to address aging infrastructure, reduce or eliminate leaks, improve cyber and physical security, and increase resiliency of critical assets to climate variability, including: <ul style="list-style-type: none"> ▪ \$7.3 billion for regulated capital expenditures ▪ \$0.6 billion to \$1.2 billion on regulated system acquisitions to expand our water and wastewater customer base ▪ \$0.1 billion for strategic capital investments • Reduced our greenhouse gas emissions through December 31, 2017 by approximately 31 percent since our base year of 2007, and set a goal of 40 percent reduction by 2025 • Deconstructed the San Clemente Dam in California to restore the “run of the river,” and we are building the Monterey Peninsula Water Supply Project using marine life friendly slant wells • Established and maintained the Safety, Environmental, Technology and Operations, or SETO, Committee as a standing committee of the Board, highlighting the prominence of these areas in our overall business objectives • Employed scientists dedicated to research, and partnered with water research foundations on water quality and technology-water source monitoring • Collaborated and partnered with federal and state agencies in supporting effective environmental, health and safety, and water quality standards and regulations • Designed, constructed, operated and maintained our systems for efficiency and best practices |

| Social Responsibility |
|---|
| <ul style="list-style-type: none"> • During 2018, we provided nearly 80,000 hours of safety training to our employees • Achieved a customer satisfaction rating in the top quartile among a peer group of 11 water utility companies • Sponsored more than 5,000 hours of community service performed annually by our employees in 2018 • Sponsored national workplace giving campaigns with the United Way and Water For People, as well as numerous other regional and state charitable campaigns • Through the American Water Charitable Foundation, focused on supporting employees in their own charitable endeavors, supporting employee crisis and disaster relief efforts and funding initiatives related to clean water, conservation, education and community sustainability • During 2018, supported more than 86 percent of our job requisitions with a diverse candidate pool, and filled more than 50 percent of transfers or promotions with minority, female, veteran or disabled individuals |

Director Nominees

The following table provides summary information about each of our eight director nominees, as well as their committee memberships and positions as of the date of this proxy statement. The table below also discloses the Board's determination as to the independence of each nominee under the New York Stock Exchange's, or NYSE's, listing standards, relevant rules of the Securities and Exchange Commission, or the SEC, and the Board's categorical standards for director independence. Each Board director is elected annually.

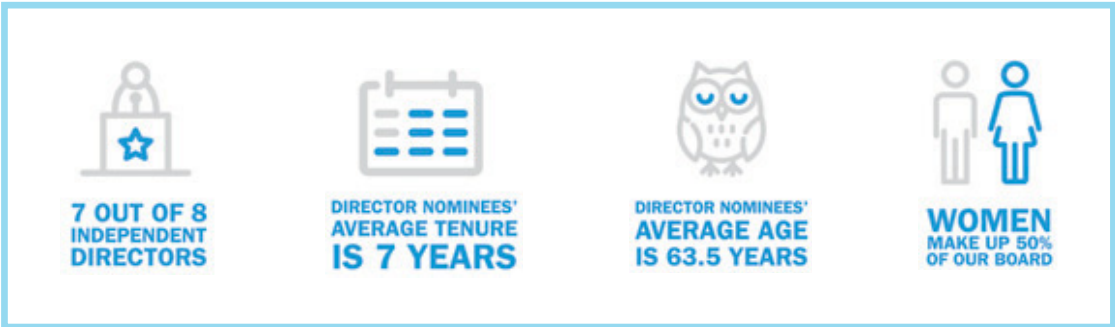
| Name | Age | Director Since | Occupation | Independent? | Committee Memberships/Position |
|--------------------|-----|----------------|--|--------------|--|
| Jeffrey N. Edwards | 58 | 2018 | Chief Operating Officer, New Vernon Capital | Yes | <ul style="list-style-type: none"> • Audit, Finance and Risk • SETO |
| Martha Clark Goss | 69 | 2003 | Retired Chief Operating Officer and Chief Financial Officer of Amwell Holdings/Hopewell Holdings LLC | Yes | <ul style="list-style-type: none"> • Audit, Finance and Risk (Chair) • Executive Development and Compensation |
| Veronica M. Hagen | 73 | 2016 | Retired Chief Executive Officer of Polymer Group, Inc. (now known as AVINTIV Specialty Materials Inc.) | Yes | <ul style="list-style-type: none"> • SETO (Chair) • Executive Development and Compensation • Nominating/Corporate Governance |
| Julia L. Johnson | 56 | 2008 | President of Net Communications, LLC | Yes | <ul style="list-style-type: none"> • Executive Development and Compensation (Chair) • Nominating/Corporate Governance |
| Karl F. Kurz | 57 | 2015 | Private investor and Retired Chief Operating Officer, Anadarko Petroleum Corporation | Yes | <ul style="list-style-type: none"> • Non-executive Chairman of the Board |
| George MacKenzie | 70 | 2003 | Retired Vice Chairman and Chief Financial Officer of Hercules Incorporated | Yes | <ul style="list-style-type: none"> • Nominating/Corporate Governance (Chair) • Audit, Finance and Risk |
| James G. Stavridis | 64 | 2018 | Operating Executive, The Carlyle Group | Yes | <ul style="list-style-type: none"> • Audit, Finance and Risk • SETO |
| Susan N. Story | 59 | 2014 | President and Chief Executive Officer of American Water Works Company, Inc. | No | None |

Director Qualifications and Experience

The figure below illustrates some of the key skills and qualifications that our current directors bring to the Board:



Board of Directors Highlights – By the Numbers



American Water Corporate Governance and Board Highlights

Below are a number of our corporate governance and Board highlights, including policies implemented and other governance achievements:

Corporate Governance Highlights

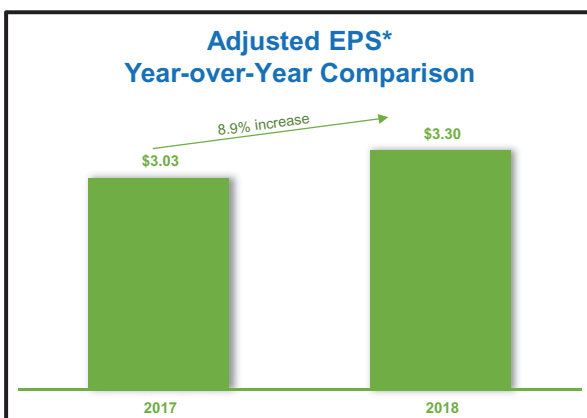
- All directors elected annually
- Majority voting for directors in uncontested elections
- Holders of 15 percent of our common stock may call a special meeting of shareholders without material restrictions
- No supermajority voting provisions
- Formal Disclosure Committee used for financial reporting purposes
- Engaged with approximately 270 investors, and conducted a shareholder outreach program focused on corporate governance, executive compensation and disclosure and related issues
- Adopted a robust Political Contribution Policy that provides Board oversight of our political contributions and requires disclosure of political expenditures on our corporate website
- Maintains and enforces executive stock ownership guidelines, which support mandatory stock retention requirements and align executives' interests with shareholders'
- Prohibits short selling, hedging, pledging and margin transactions involving American Water securities for all directors, executive officers and employees
- Led by the Audit, Finance and Risk and SETO Committees, the Board is broadly focused on risk assessment, management and mitigation
- Longstanding commitment to safety, sustainability, environmental leadership and diversity
- Established the SETO Committee effective April 2018 to oversee safety, environmental, technology and operational functions

Board of Directors Highlights

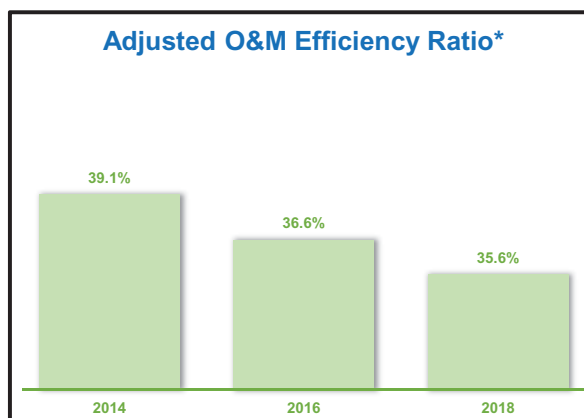
- Appropriately sized board (8 members for election in 2019)
- Average tenure of director nominees is 7.0 years
- Average age of director nominees is approximately 63.5 years
- Gender parity of Board – 50 percent of Board nominees are female
- Board is led by an independent, non-executive chairman
- Seven out of 8 director nominees, and all committee members, are independent
- Demonstrated continued refreshment of the Board with 3 out of 8 Board members having served for less than 4 years
- Robust and active director succession and nomination process serves to identify talented and diverse board members
- In 2018, the Board and Nominating/Corporate Governance Committee met 13 and 6 times, respectively
- CEO and executive succession planning discussions conducted throughout the year
- The Board and its committees conduct annual self-assessments and individual peer assessments
- Director education program with dedicated funding supports ongoing director development
- Stock ownership policy for directors of five times annual cash retainer by fifth anniversary of service
- Deep engagement with company personnel through off-site board meetings, external stakeholder reception, in-depth reviews of cultural survey results and meetings with "high potential" leaders

American Water 2018 Operating Performance Highlights

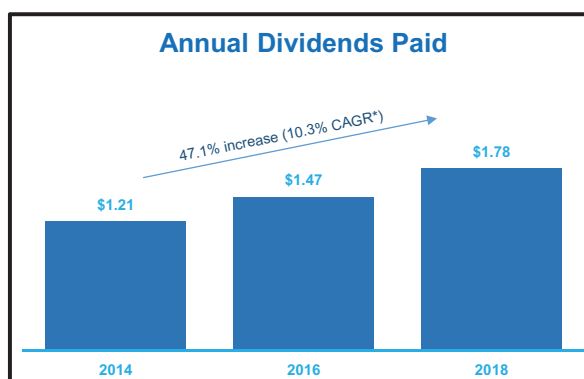
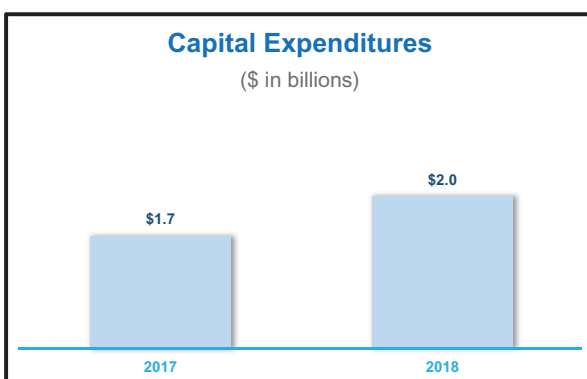
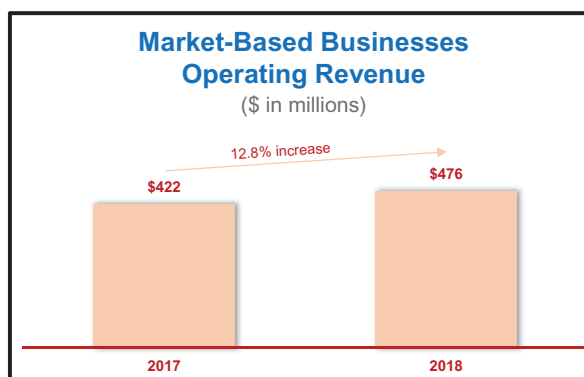
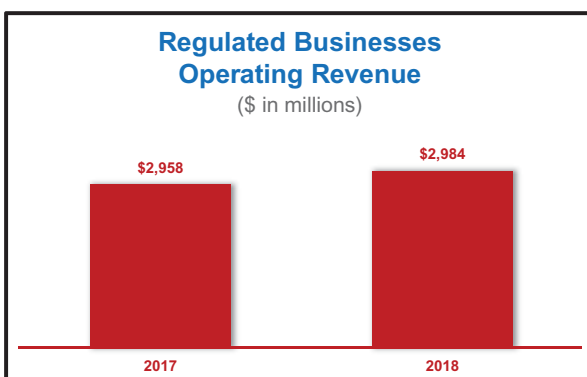
The charts below provide a summary of some of our key operating performance highlights for 2018:



* Adjusted EPS is a non-GAAP measure. See Appendix A for reconciliation and additional information.



* A lower percentage signifies more efficient operations. Adjusted O&M efficiency ratio is a non-GAAP measure; ratios originally reported for 2014 and 2016 were 36.7% and 34.9%, respectively. See Appendix A for a reconciliation of the components used to compute this measure and additional information.



* Anchored off of 2013 dividends paid, including an accelerated first quarter 2013 cash dividend paid on December 28, 2012 to allow shareholders to take advantage of 2012 tax rates.

American Water Executive Compensation Highlights

We have summarized below our key named executive officer compensation highlights for 2018:

| | |
|--|---|
| <ul style="list-style-type: none"> • Compensation program is highly correlated to performance and focused on long-term value creation | <ul style="list-style-type: none"> • Executive equity compensation is weighted significantly toward performance stock units |
| <ul style="list-style-type: none"> • Considerable portion of pay is variable, rather than fixed, and is earned solely based on performance without incentivizing excessive risk-taking | <ul style="list-style-type: none"> • Perquisites and other personal benefits are limited principally to executive physicals |
| <ul style="list-style-type: none"> • Formal CEO goal-setting and performance assessment process utilized throughout each year | <ul style="list-style-type: none"> • Implemented double-trigger change-in-control provision in the 2017 Omnibus Equity Compensation Plan, or the 2017 Omnibus Plan, to complement existing provision in Executive Severance Policy |
| <ul style="list-style-type: none"> • Eliminated stock options as part of long-term performance plan beginning in 2017 | <ul style="list-style-type: none"> • Compensation Committee was advised by independent compensation consultant throughout 2018 |
| <ul style="list-style-type: none"> • Representative, relevant peer group used for total shareholder return, or TSR, performance and compensation benchmarking, and is evaluated annually | <ul style="list-style-type: none"> • Shareholders agree with the benefits of our compensation program, with an average 97.3 percent "FOR" advisory vote on executive compensation since 2011, the first year of our say-on-pay voting |
| <ul style="list-style-type: none"> • Clawback policies in place for cash performance-based awards and equity awards | <ul style="list-style-type: none"> • Named executive officers have reasonable severance arrangements without employment agreements |
| <ul style="list-style-type: none"> • Executive stock ownership guidelines and retention requirements support alignment with shareholders by encouraging long-term retention of equity ownership | <ul style="list-style-type: none"> • Vote, on an advisory basis, on executive compensation conducted annually, and management adopted shareholders' recommendation in 2017 to continue this practice |

American Water Works Company, Inc.

2019 Proxy Statement

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**PROPOSAL 3: RATIFICATION OF
APPOINTMENT OF INDEPENDENT
REGISTERED PUBLIC ACCOUNTING
FIRM**

70

General

70

Fees Paid to Independent Registered Public
Accounting Firm

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THE AMERICAN WATER ANNUAL MEETING

Information about this Proxy Statement

Our Board is furnishing this proxy statement in connection with the solicitation of proxies to vote on matters to be submitted at our 2019 Annual Meeting of Shareholders and at any adjournment or postponement of the meeting. The Notice of Annual Meeting, this proxy statement, the accompanying proxy card and our 2018 Annual Report to Shareholders, or the 2018 Annual Report, were first sent or given on or about March 26, 2019 to shareholders of record as of March 15, 2019, which is referred to as the record date.

Throughout this proxy statement, unless the context otherwise requires:

- references to the “Board” or the “Board of Directors” mean the Board of Directors of American Water Works Company, Inc.;
- references to “common stock” mean the common stock, par value \$0.01 per share, of American Water Works Company, Inc.;
- references to the “meeting” or the “annual meeting” mean the 2019 Annual Meeting of Shareholders of American Water Works Company, Inc.; and
- references to “we,” “us,” “our,” the “Company” or “American Water” are to American Water Works Company, Inc., without its subsidiaries.

Location and Time of the Annual Meeting

The meeting will be held at 10:00 a.m., Eastern time, on Friday, May 10, 2019, at The Camden Adventure Aquarium, located at 1 Riverside Drive, Camden, New Jersey 08103. The doors will open at approximately 9:30 a.m., Eastern time.

An audio-only webcast of the meeting can be accessed during the meeting via our Investor Relations website at <https://ir.amwater.com>. The access information for the webcast presentation will

be announced via press release and on our website. If you wish to access the webcast of the meeting, you will need to have the necessary software installed and operating on your computer or other applicable device, together with appropriate access to the Internet to permit transmission of the webcast.

The audio webcast will be archived and available for 30 days after the meeting on the “Investor Relations” page of our website at <https://amwater.com>.

Shares Entitled to Vote

All shareholders of record as of the record date are entitled to vote at the meeting. As of the close of business on the record date, 180,511,068 shares of our common stock were outstanding. Each outstanding share of common stock entitles the holder of record to one vote on each matter submitted to the vote of shareholders at the meeting. Holders of our options, unvested restricted stock units, or RSUs, and unvested performance stock units, or PSUs, as well as holders of awards as to which the receipt of underlying common stock has been deferred, are not entitled to vote any shares of common stock underlying those awards at the meeting.

Under our Amended and Restated Bylaws, the holders of a majority of the outstanding shares of our common stock at the close of business on the record date must be present at the meeting, either in person or by proxy, to constitute a quorum and to transact business at the meeting. Abstentions and broker non-votes are included in the determination of shares present at the meeting for quorum purposes. See “—How to Vote Shares Held in Street Name” on page 4 of this proxy statement for more information on “broker non-votes.”





Matters to be Voted on at the Annual Meeting

The following table describes the items to be brought for a vote of our shareholders at the meeting, the treatment of abstentions and broker non-votes for each matter, and the Board's voting recommendation as to each matter:

| Proposal No. | Brief Description of Proposal | Vote Required | Treatment of Abstentions | Treatment of Broker Non-Votes | Board's Recommendation |
|--------------|--|---|-----------------------------|---|---|
| 1 | Election of eight director nominees | Each director is elected by a majority of the votes cast "FOR" election | Not taken into account | Not taken into account | "FOR" each director nominee |
| 2 | Approval, on an advisory basis, of the compensation of our named executive officers | A majority of the shares of common stock present and entitled to vote at the annual meeting must be voted "FOR" approval | As an "AGAINST" vote | Not taken into account | "FOR" |
| 3 | Ratification of the appointment of our independent registered public accounting firm for 2019 | A majority of the shares of common stock present and entitled to vote at the annual meeting must be voted "FOR" approval | As an "AGAINST" vote | Not applicable, "FOR" as this is considered to be a "routine" matter | |
| 4-5 | Two shareholder proposals described in this proxy statement if properly presented at the meeting | A majority of the shares of common stock present and entitled to vote at the annual meeting must be voted "FOR" approval | As an "AGAINST" vote | Not taken into account | "AGAINST" each proposal submitted by a shareholder and properly presented at the meeting |

How to Vote Shares Registered in Your Own Name

If you own shares that are registered on our books and records in your own name, you can vote your shares in any of the following ways:

| | | | |
|---|--|---|---|
|  |  |  |  |
| You can vote via the Internet at http://www.proxyvote.com . If you received printed proxy materials, follow the instructions for Internet voting printed on your proxy card. If you received a Notice of Availability, follow the instructions provided in the Notice of Availability. | Call toll-free 1-800-690-6903. You also can vote by telephone using the instructions provided on the Internet voting site or the Notice of Availability, or, if you received printed proxy materials, by following the instructions provided on your proxy card. | If we mailed you a printed copy of this proxy statement and a paper proxy card, you can vote by completing, signing, dating and returning the proxy card in the enclosed postage-paid envelope. | Attend the meeting to vote in person. |

The internet and telephone voting facilities for shareholders of record will close at 11:59 p.m., Eastern time, on May 9, 2019.

Your signed proxy card, or the proxy you grant via the Internet or by telephone, will be voted in accordance with your instructions. If you own shares that are registered in your own name and return a signed proxy card or grant a proxy via the Internet or by telephone, but do not indicate how you wish your shares to be voted, your shares will be voted:

- **“FOR”** the election of each of the Board’s eight director nominees;
- **“FOR”** the approval, on an advisory basis, of the compensation of our named executive officers;
- **“FOR”** the ratification of the appointment of PricewaterhouseCoopers LLP as our independent registered public accounting firm for 2019; and

- **“AGAINST”** each of the two proposals submitted by shareholders, if properly presented at the meeting.

In the absence of instructions to the contrary, proxies will be voted in accordance with the judgment of the person exercising the proxy on any other matter properly presented at the meeting.

If you received more than one proxy card or Notice of Availability, your shares are likely registered in different names or with different addresses, or are held in more than one account. You must separately vote the shares shown on each proxy card or Notice of Availability that you receive in order for all of your shares to be voted at the meeting. For more information regarding the Notice of Availability, please see “Communications, Shareholder Proposals and Company Information—Delivering Proxy Materials Through Electronic Means” on page 81 of this proxy statement.

How to Vote Shares Held in Street Name

If you hold shares through a brokerage firm, trustee, bank, or other financial intermediary or nominee, which is known as holding shares in “street name,” you will receive a voting instruction form from that broker, trustee, bank or other financial intermediary or nominee, each of which we refer to as an “intermediary”. The form will explain how to direct the voting of your shares through the intermediary, which may include the ability to provide voting instructions via the Internet or by telephone.

If your shares are held in street name through a brokerage firm that is a member of the NYSE, and you want to vote on any of Proposals 1, 2, 4 or 5, you **MUST** indicate how you wish your shares to be voted. The broker will vote shares held by you in street name in accordance with your voting instructions, as indicated on your signed voting instruction form or by the instructions you provide via the Internet or by telephone. Absent such instructions, NYSE rules would prohibit a broker from exercising discretion to cast a vote with respect to your shares. In that case, a proxy submitted by the broker with respect to your shares would indicate that the broker is unable to cast a vote with respect to the matter, which is commonly referred to as a “broker non-vote.”

Under NYSE rules, Proposal 3 is considered a “routine matter,” and thus a broker would be permitted in its

Revoking or Changing a Proxy

If you own shares in your own name (including shares you may hold through American Water Stock Direct, our dividend reinvestment and direct stock purchase plan), you may revoke any prior proxy, regardless of how your proxy was originally submitted, by:

- sending a written statement to that effect to our Secretary, which must be received by us before the meeting;
- submitting a properly signed proxy card dated a later date;
- submitting a later dated proxy via the Internet or by telephone; or

discretion to cast a vote on that proposal as to your shares in the event that you do not provide the broker with voting instructions. Accordingly, if your shares are held in street name, it is important that you provide voting instructions to the intermediary so that your vote will be counted.

If you hold shares in street name and wish to vote your shares in person at the meeting, you must first obtain a valid legal proxy from the intermediary. To do so, you must follow the instructions provided on your voting instruction form, or, if no such instructions were provided, you must contact the intermediary directly. To attend the meeting in person (regardless of whether you intend to vote your shares in person at the meeting), you must obtain an admission card in advance of the meeting by following the instructions under “—Attending the Annual Meeting in Person” on page 5 of this proxy statement. You would not be able to attend the meeting simply by obtaining a legal proxy without also obtaining an admission card.

If you received more than one voting instruction form or Notice of Availability, your shares are likely registered in different names or with different addresses or are in more than one account. You must separately follow the foregoing voting procedures for each voting instruction form or Notice of Availability that you receive in order for all of your shares to be voted at the meeting.

- attending the meeting in person and voting your shares at the meeting.

Please see “Communications, Shareholder Proposals and Company Information—Contacting Us or Our Transfer Agent” on page 82 of this proxy statement for more information on providing our Secretary with written notice.

If you hold shares in street name, you should follow the instructions provided on your voting instruction form or contact the intermediary for instructions on how to change your vote.

Attending the Annual Meeting in Person

Admission to the annual meeting will be limited to our shareholders or their authorized, legal proxies. If you plan to attend the meeting in person, you must have a valid, government-issued photo identification, as well as an admission card. Upon arrival at the annual meeting, you will be asked to present your admission card and government-issued photo identification to enter the meeting. **We reserve the right to deny admission to the meeting location to any person who arrives at the meeting location without an admission card and valid, government-issued photo identification in his or her name.**

For the safety and security of all attendees at the meeting, you will not be permitted to bring cameras, cell or smart phones, recording equipment, computers, large bags, briefcases or packages into the meeting. If you bring any of these prohibited items to the meeting, you will be required to leave them outside the meeting room until the meeting has concluded.

Under our Amended and Restated Bylaws, the Board or chairman of the meeting may impose additional reasonable restrictions on the conduct of the meeting and the ability of individuals to attend the meeting in person. These procedures are designed to ensure the safety and security of all attendees at the meeting.

If your shares are registered in your name, you will receive an admission card in one of three different ways:

- If you received your proxy materials by mail, your admission card is attached to your proxy card.
- If you received your proxy materials by e-mail, your admission card is the e-mail, which you must print out and bring with you to the meeting.
- If you received a Notice of Availability, your admission card is the Notice of Availability with your name on it.

The original admission card attached to your proxy card or the original Notice of Availability with your name on it must be presented at the meeting. Photocopies of these documents will not be accepted. If you lose your admission card, please contact our Investor Relations department to request a replacement.

If you hold your shares in street name or you hold a valid legal proxy, and you plan to attend the annual meeting, you must send us a timely request for an admission card. We must **receive** your request no later than **Wednesday, May 1, 2019** in order to be timely. Your request must be in the form of a signed cover letter containing the following information:

- Your name, complete mailing address and daytime telephone number;
- A copy of your valid, government-issued photo identification;
- If you own shares in street name:
 - the number of shares that you own in street name;
 - the name, address and telephone number of the intermediary; and
 - proof that you own common stock as of the record date, such as:
 - a letter from the intermediary, or
 - a photocopy of a current brokerage or other account statement showing
 - your ownership of such shares on the record date, or
 - your continuous ownership of such shares before and after the record date.
- If you are a legal proxy holder:
 - the number of shares that are the subject of the legal proxy;
 - a photocopy of the valid, signed and dated legal proxy; and
 - the name, address and daytime telephone number of the shareholder who gave the legal proxy to you.

All communications regarding admission card requests or admission procedures should be addressed to Investor Relations at the address provided on page 82 of this proxy statement.

BOARD OF DIRECTORS AND CORPORATE GOVERNANCE

The Board of Directors

The Board is currently comprised of eight members, consisting of seven independent directors and Susan N. Story, our President and Chief Executive Officer.

The Board held 13 meetings during 2018. During the period in 2018 for which each director served as such, he or she attended at least 75 percent of the combined number of Board meetings and meetings of the Board committees on which he or she served, except for Julia L. Johnson, who attended 56 percent of such meetings due to an extended illness from which she has recovered.

The Board has adopted an attendance policy, set forth in our Corporate Governance Guidelines, under which attendance, whether by telephone or in person, is expected at all Board and committee meetings,

except for absences previously excused by the Chairman of the Board or the Chairman of the Nominating/Corporate Governance Committee, or the Nominating Committee, due to extraordinary circumstances. All members of the Board are expected to attend the annual meeting of shareholders, except for absences due to unavoidable or extenuating circumstances. Six of the eight directors then on the Board attended the 2018 annual meeting of shareholders.

At most regularly scheduled meetings, the Board meets in executive session, without the presence of any members of management. Our independent, non-executive Chairman of the Board presides over these sessions.

Board Committees

As of the date of this proxy statement, the Board has four separately designated standing committees:

- the Audit, Finance and Risk Committee;
- the Executive Development and Compensation Committee, or the Compensation Committee;
- the Nominating Committee; and
- the SETO Committee.



As needed, each committee sets a time to meet in executive session without management personnel present. The Compensation Committee meets regularly with its independent compensation consultant in executive session. The Audit, Finance and Risk Committee meets regularly in separate executive sessions with, among others:

- our Vice President of Internal Audit;
- our Chief Compliance Officer;
- our Executive Vice President, General Counsel and Secretary; and
- representatives of our independent registered public accounting firm.

Also, each committee has the authority to retain outside advisors, including legal counsel or other experts, as it deems appropriate in its sole discretion and to approve the fees and expenses associated with such advisors.

Recognizing the significant overlap in the activities and responsibilities of the former Audit Committee and former Finance and Risk Committee, the Board approved the combination of these two standing committees into a single Audit, Finance and Risk Committee, effective on April 19, 2018. Also, recognizing the importance of safety, environmental stewardship and technology in our values, goals and operations, the Board established the SETO Committee, effective on April 19, 2018.

The membership of each of the standing Board committees as of the date of this proxy statement, including the number of committee meetings held during 2018, are set forth in the table below:

| Director | Age | Director Since | Independent? | Audit, Finance and Risk Committee (1) | | | Compensation Committee | SETO Committee | Nominating Committee |
|-----------------------|-----|----------------|--------------|---------------------------------------|----------------------------|-----------------------------------|------------------------|----------------|----------------------|
| | | | | Audit Committee | Finance and Risk Committee | Audit, Finance and Risk Committee | | | |
| Jeffrey N. Edwards* | 58 | 2018 | ✓ | | | ✓ | | ✓ | |
| Martha Clark Goss* | 69 | 2003 | ✓ | ✓✓ | ✓ | ✓✓ | ✓ | | |
| Veronica M. Hagen | 73 | 2016 | ✓ | ✓ | | | ✓ | ✓✓ | ✓ |
| Julia L. Johnson | 56 | 2008 | ✓ | | | | ✓✓ | | ✓ |
| Karl F. Kurz (2) | 57 | 2015 | ✓ | ✓ | ✓✓ | | | | |
| George MacKenzie* | 70 | 2003 | ✓ | | ✓ | ✓ | | | ✓✓ |
| James G. Stavridis** | 64 | 2018 | ✓ | | | ✓ | | ✓ | |
| Susan N. Story | 59 | 2014 | ✗ | | | | | | |
| Meetings held in 2018 | | | | 1 | 1 | 4 | 8 | 3 | 6 |

| | | | |
|--------------------|--------------------|------------------------------------|--|
| ✓ Committee Member | ✓✓ Committee Chair | * Audit Committee Financial Expert | ** Financially Literate Audit, Finance and Risk Committee Member |
|--------------------|--------------------|------------------------------------|--|

- (1) Effective April 19, 2018, the Audit Committee and the Finance and Risk Committee were combined to form the Audit, Finance and Risk Committee. The table shows the membership of the Audit Committee and the Finance and Risk Committee immediately prior to the combination, as well as the current membership of the Audit, Finance and Risk Committee.
- (2) On May 11, 2018, Mr. Kurz was designated as an alternate member of the Compensation Committee and the Nominating Committee. An alternate member of a committee participates as a member of the committee only in the event of an absence or disqualification of a regular member of that committee.

A description of each of our standing committees as of the date of this proxy statement, together with its primary responsibilities, is provided below.

Audit, Finance and Risk Committee

- Discusses with management, at least annually, our policies with respect to risk assessment and risk management, our major financial risk exposures and the steps management has taken to monitor and control these exposures
- Represents and assists the Board in fulfilling its responsibility to oversee:
 - the quality and integrity of our financial statements;
 - the adequacy and effectiveness of our system of internal controls;
 - our compliance with legal and regulatory requirements;
 - our independent auditor's qualifications and independence;
 - the performance of our internal audit function and that of our independent auditor;
 - our risk assessment and risk management strategy; and
 - our financial policies and significant financial decisions
- Has sole authority and responsibility to appoint, compensate, retain, terminate and oversee our independent auditor
- Monitors, reviews and evaluates our:
 - financial forecasts, financial condition and anticipated financing requirements;
 - capital structure, including new issuances, purchases or redemptions of debt and equity securities;
 - capital expenditure plan and strategies;
 - dividend payment policy;
 - investment performance of the assets held under our employee benefit plans and related investment guidelines;

| | |
|---|--|
| | <ul style="list-style-type: none"> ▪ cash management plans and strategies; ▪ long-term debt issuances and any related guarantees, support obligations or security related to such issuances; and ▪ growth opportunities ● Coordinates oversight of operational risk management with the other committees and the Board ● Reviews internal controls with respect to information and technology systems, security management systems and cybersecurity having significant impact on our financial statements ● Recommends to the Board actions with respect to our directors' and officers' insurance programs ● Adopts, and oversees the enforcement of, our Code of Ethics |
| Executive Development and Compensation Committee | <ul style="list-style-type: none"> ● Establishes and reviews our overall compensation philosophy ● Reviews and recommends to the Board the compensation and performance of the CEO, as well as goals and objectives relevant to her compensation ● Approves, after receiving the recommendations of, and consulting with, the CEO, the compensation of Section 16 executive officers other than the CEO ● Reviews and makes recommendations to the Board regarding our equity compensation plans, and takes such actions as required by these plans or specifically delegated to the Compensation Committee ● Reviews and approves performance-based cash compensation plans in which the CEO and her direct reports participate, or which provide more than \$100,000 in compensation to any other employee ● Reviews periodically the operations of our executive compensation programs to determine whether they are properly coordinated and implemented and achieving their intended purpose ● Reviews and recommends to the Board contracts and compensatory transactions with the CEO, COO and CFO, and approves such contracts and transactions with respect to other current or former executive officers ● Reviews and monitors employee retirement and other benefit plans ● Reviews a compensation-related risk assessment of our compensation policies and practices and makes appropriate recommendations to the Board ● With input from the Board, oversees the process for executive succession planning, other than the CEO ● Reviews and recommends to the Board the form and amount of director and chairman compensation at least every two years |
| SETO Committee | <ul style="list-style-type: none"> ● Represents and assists the Board in overseeing and reviewing: <ul style="list-style-type: none"> ▪ our employee and public safety; ▪ our environmental policies and practices, including water quality and emerging contaminants; ▪ our technology policy, strategy and governance, including physical and cyber security issues; and ▪ operational performance and risks not covered by another committee of the Board ● Reviews physical and cybersecurity threat assessments, emerging issues and related initiatives ● Coordinates with the Audit, Finance and Risk Committee on matters related to cybersecurity risk |
| Nominating/Corporate Governance Committee | <ul style="list-style-type: none"> ● Establishes criteria for the selection of new Board candidates ● Identifies qualified director nominees (including new candidates as well as existing directors) and recommends their election to the Board ● Reviews and makes recommendations on the composition and size of the Board to ensure its membership is sufficiently diverse and independent ● Recommends directors to serve as chairman and members of the Board committees |

- Establishes, monitors and recommends the structure and operations of each committee of the Board, including the qualifications and criteria for committee members, and makes recommendations regarding committee member rotation
- Makes recommendations as to the creation or elimination of Board committees
- Oversees the annual evaluation of each director and the Board as a whole
- Develops and recommends to the Board amendments to its Corporate Governance Guidelines, and annually assesses their adequacy
- Considers questions of director independence
- Reviews the adequacy of our charter and bylaws
- Oversees our director education program
- Oversees, with input from the Chairman of the Board and the current CEO, the process of planning for CEO succession

Board Review of Related Person Transactions

The Board has adopted the Related Person Transaction Policy for reviewing, approving and ratifying transactions involving related persons to ensure compliance with our Code of Ethics and applicable law. Subject to certain exceptions, this written policy covers transactions, relationships or arrangements in which American Water or any subsidiary was or is to be a participant and a related person had or will have a direct or indirect material interest. For purposes of this policy, a “related person” is any person who:

- is a current executive officer or director;
- was a former executive officer or director during the current or prior fiscal year;
- is or was a director nominee during the current or prior fiscal year;
- at the time the related person transaction occurred or existed, was a current employee (other than an executive officer);
- at the time the related person transaction occurred or existed, was a beneficial owner of more than five percent of our common stock; or
- is or was a specified immediate family member, or any other person sharing the household (other than a tenant or employee) of, any of the foregoing.

Permission for a related person transaction may only be granted in writing in advance by the following:

- the disinterested members of the Audit, Finance and Risk Committee or the Board, in the case of transactions involving corporate officers, directors or other employees in specified senior grade levels; and

- our Compliance and Ethics Committee, which is comprised of members of management, in the case of all other employees.

Further, as permitted by the policy, the Compliance and Ethics Committee has delegated to our Chief Compliance Officer the authority to review and approve related person transactions that are within its authority where the amount involved is less than \$5,000. Transactions involving the compensation of executive officers are not subject to this policy if they are reviewed and, if appropriate, approved by the Compensation Committee (or a group of our independent directors performing a similar function) as specified in the Compensation Committee’s charter.

Before any related person transaction is approved, the following factors are to be considered:

- the related person’s interest in the transaction;
- the dollar value of the amount involved in the transaction;
- the dollar value of the related person’s interest in the transaction without regard to the amount of any profit or loss;
- whether the transaction is to be undertaken in the ordinary course of business of American Water;
- whether the transaction with the related person is proposed to be entered into on terms more favorable to American Water than terms that could have been reached with an unrelated third party;
- the purpose, and the potential benefits to American Water, of the transaction; and
- any other information regarding the transaction or the related person that is material in light of the circumstances of the particular transaction.

Approval of a related person transaction under the policy will be granted only if it is determined that, under all of the circumstances, the transaction is in

Board Leadership Structure

For 2018 and currently, Ms. Story serves as our President and Chief Executive Officer. Mr. MacKenzie served as our Chairman until May 11, 2018, when Mr. Kurz became our Chairman of the Board. Our Corporate Governance Guidelines provide that the Chairman of the Board is to be an independent director. We believe that the oversight function of a board of directors is enhanced when an independent director, serving as chairman of the board, is in a position to set the agenda for, and preside over, meetings of the board of directors. We also believe that our leadership structure enhances the active participation of our independent directors.

The Chairman of the Board is responsible for:

- setting the agenda for meetings of the Board, and presiding over Board meetings at which the Chairman of the Board is present;

Board Role in Risk Oversight

One of the responsibilities of the Board is the oversight of our risk management activities, which is discharged by the Board as well as through the Audit, Finance and Risk Committee, the Compensation Committee and the SETO Committee. In discharging this responsibility, the Board and these committees, with the assistance of management, monitor and evaluate our major enterprise risks and oversee and monitor the design and implementation of guidelines and programs to manage these risks.

Our management has overall responsibility for conducting risk assessments and risk management

Audit, Finance and Risk Committee Role

The Audit, Finance and Risk Committee is responsible for assisting the Board in overseeing the Company's accounting and disclosure controls, the design and performance of the internal audit, ethics and compliance functions, and the enterprise risk

the best interests of American Water and only so long as those interests outweigh any negative effects that may arise from permitting the transaction to occur.

- coordinating the work of the Board committees;
- overseeing the distribution of materials by our Secretary to the members of the Board;
- serving as the independent director primarily responsible for Board consultations and communications between the Board and shareholders; and
- performing such other duties as the Board may, from time to time, require to assist it in the fulfillment of its duties.

If the Chairman of the Board ceases to be an independent director, the Board shall select another Chairman of the Board from among the members of the Board who are determined by the Board at that time to be independent directors. The Chairman of the Board is selected, and may be removed from that position at any time, by a majority of the members of the Board.

strategy and programs. We have an Enterprise Risk Management Committee consisting of various Company executives and business unit employees that manages and oversees day-to-day enterprise risk management responsibilities. The Enterprise Risk Management Committee meets at least six times a year. The Enterprise Risk Management Committee's areas of focus include competitive, economic, operational (including cybersecurity), financial (including accounting, internal audit, credit, liquidity and tax), legal, compliance, regulatory, health, safety and environmental, political and reputational risks.

management process, including risk assessments and risk management strategy. The Audit, Finance and Risk Committee also has direct authority over the Company's independent registered public accounting firm.

In performing these responsibilities, the Audit, Finance and Risk Committee reviews, at least annually, with management our major financial and operational risk exposures, including any risk concentrations and risk interrelationships, the magnitude and the likelihood of occurrence of risk, and management's activities to monitor and control

Compensation Committee Role

The Compensation Committee assesses potential risks related to our compensation policies and practices. Management conducts and presents to the Compensation Committee for its review an annual risk assessment of our executive compensation, with a particular focus on performance-based compensation. This risk assessment is reviewed with both our internal audit function as well as with the Enterprise Risk Management Committee. In February 2019, an update of this risk assessment, which included our 2018 short-term and long-term performance-based executive compensation, was reviewed with the Compensation Committee. This assessment sought to identify whether features of our compensation policies and practices could potentially encourage excessive risk-taking.

The risk assessment conducted by management found that our existing short-term and long-term compensation is coupled with compensation design elements and other controls that discourage decision-making focused solely on compensatory consequences. These design elements and controls include, among other things:

- base salaries that are a sufficient component of total compensation to discourage excessive short-term risk taking;
- cash performance-based awards with a maximum payout that is limited to 200 percent of target;
- the ability of the Compensation Committee to exercise discretion in determining the amount of cash performance-based compensation awarded;
- the use of long-term performance awards that mitigate against the taking of short-term risks;
- the implementation of an annual independent audit of our Annual Performance Plan, or APP, targets

SETO Committee Role

The SETO Committee reviews and monitors operational risk exposure and risk mitigation strategies with the Audit, Finance and Risk Committee and the Board. In performing these responsibilities, the SETO Committee reviews management's processes for assessing business continuity risks and developing related

these exposures. This committee also reviews our major financial risks, including credit, market and funding risks. The Audit, Finance and Risk Committee coordinates oversight of operational risk management with the SETO Committee. The Audit, Finance and Risk Committee also oversees our insurance risk management policies and programs.

and award process conducted by our internal audit function;

- Company-wide and individual performance targets which are dispersed among a variety of financial and non-financial metrics, as well as among short-term and long-term goals;
- policies and procedures implemented to provide for meaningful checks and balances regarding significant business decisions that may have a compensatory benefit, including the use of a robust vetting process for new business development opportunities and limiting the delegated authority of executives to approve transactions;
- a compensation recovery policy that would require repayment of incentive compensation in the event of a material restatement of our financial statements under specific circumstances;
- the use of overlapping vesting and performance periods through annual long-term performance award grants;
- that we do not currently grant stock options as part of our long-term performance program, thereby discouraging behavior focused on short-term increases in stock prices; and
- stock ownership guidelines and retention requirements that are applicable to executives and employees of the Company at a specified minimum salary grade (generally vice president) level.

On the basis of its review of our executive compensation programs, management concluded, and advised the Compensation Committee, that the risks of these compensation programs are mitigated and are not reasonably likely to have a material adverse effect on American Water.

contingency planning. The SETO Committee also reviews physical and cybersecurity threat assessments, including emerging issues and our related initiatives, and coordinates with the Audit, Finance and Risk Committee and the Board on matters related to cybersecurity risk.

Board Role in Succession Planning

The Corporate Governance Guidelines provide that a primary responsibility of the Board is planning for the succession of our CEO and other executive officers. The goal of our succession planning process is to identify executive talent at the Company and provide for continuity of effective leadership that can fulfill the long-term requirements of our business. The Corporate Governance Guidelines contemplate a collaborative effort between the Board (and certain of its committees) and the CEO; however, the Board retains full responsibility for the selection of the CEO.

Specifically, the Corporate Governance Guidelines provide that the CEO annually submits to the Board for its review a succession plan for the CEO and other executive officers. The succession plan includes a determination of key competencies and desired experiences for the particular role, an identification and assessment of internal candidates, development plans for internal candidates and, as appropriate, identification of external candidates. The criteria used to assess potential CEO candidates are formulated by the Board based on the Company's business strategies, and include the candidates' experience, as well as strategic and leadership qualities. The CEO must also submit to the Board annually an emergency

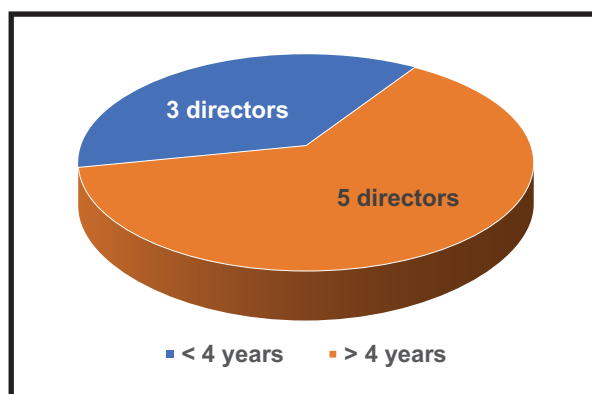
succession plan to prepare for any unforeseen event that may prevent the CEO from continuing to serve. The Board may review executive development and succession planning more frequently as it deems appropriate.

In this regard, the Board has, in a manner consistent with its responsibilities as described in this section, delegated the day-to-day responsibility for the process of providing a slate of CEO succession candidates for consideration by the Board to the Nominating Committee, with input from the Chairman of the Board and the current CEO. The Board also has delegated authority to the Compensation Committee to collaborate with the CEO to ensure that processes are in place for succession planning and development with respect to other executive officers.

As a practical matter, consideration of executive succession planning (especially for the CEO role) occurs throughout the year at Board meetings and involves regular interaction between and among the Board, the President and Chief Executive Officer, the Senior Vice President, Human Resources, and other members of management, as appropriate.

Board Refreshment and Director Tenure

The following chart shows our Board tenure as of the date of this proxy statement:



Our Corporate Governance Guidelines do not impose term limits on the service of our directors. The Board believes that term limits could result in the loss of directors who have been able to develop, over a period of time, increasing insight into our business and operations, and an institutional memory that benefits the entire membership of the Board as well as management. Instead, the Nominating Committee reviews annually each director's continuation on the Board, which allows each director the opportunity to confirm his or her desire to continue as a director and provides the Board an opportunity to refresh its membership as and when it deems appropriate.

Our Corporate Governance Guidelines generally restrict a non-employee director who has reached his

Shareholder Outreach

In addition to a robust Investor Relations function which, along with key executives and management, engaged with approximately 270 investors in 2018, our shareholder outreach program focuses on corporate governance, executive compensation and disclosure and related issues. Through this outreach program, during and after the 2018 proxy season, we contacted a number of our shareholders who beneficially owned, in the aggregate, greater than 50 percent of our common stock, as well as a leading proxy advisory firm, to better identify and understand the relevant issues that were most important to them. Through these sessions, we:

- discussed topics of interest to our shareholders;
- solicited investor viewpoints;
- conveyed our views on those topics; and
- gained a better understanding of areas of mutual consensus.

We received overall positive feedback regarding our corporate governance framework, our Board composition, our proxy statement disclosures, our compensation practices and our proposed

Governance Policies and Procedures

Our Code of Ethics applies to our directors, officers and employees and is designed to promote, among other things:

- honest and ethical conduct, including the ethical handling of actual or apparent conflicts of interest in personal and professional relationships, and deter wrongdoing or even perceptions of wrongdoing;

or her 75th birthday prior to the date of our annual meeting of shareholders from being nominated for re-election to the Board. However, the Board may, in special circumstances and where deemed in the best interests of the Company, grant an exception to this policy on an annual basis. There are no nominees for director who are 75 years of age or older. As represented by the director tenure chart above and evidenced by our actual Board refreshment over the past few years, including most recently in 2018, we seek to maintain a continual balance of historical knowledge and experience coupled with directors who have more recently joined the Board, while seeking a variety of perspectives from a highly diverse and effective Board.

enhancements to our political contribution oversight. Also, shareholders expressed appreciation for our willingness to seek their views, and more importantly, the desire to establish an ongoing dialogue. The input and insight gleaned from our 2018 shareholder outreach program was shared with management and our Board.

We also want our shareholders to engage in appropriate interaction with our Board members. In this regard, on May 11, 2018, we held a breakfast for our shareholders prior to our 2018 annual shareholder meeting, which was also attended by Board members and members of management. Additionally, on December 11, 2018, several of our directors, including our Chairman of the Board, attended our Investor Day conference at our new corporate headquarters in Camden, New Jersey to interact with our shareholders and securities analysts. We intend to continue to engage regularly with shareholders and proxy advisory firms to solicit their input, and we give careful consideration to their feedback.

- full, fair, accurate, timely and understandable disclosures in periodic reports we are required to file;
- accountability for adhering to the Code of Ethics; and
- compliance with applicable governmental laws, rules and regulations.

Our Code of Ethics provides for the prompt internal reporting of violations to an array of appropriate persons identified in our Code of Ethics and confidential treatment of the reporting person during a compliance investigation to the extent possible. We intend to satisfy the disclosure requirements regarding any amendment to, or waiver from, a provision of the Code of Ethics by making disclosures concerning such matters available on the Investor Relations page of our website.

Our Corporate Governance Guidelines set out principles by which the Board will organize and execute its responsibilities in accordance with our

Political Contribution Policy

As a company whose regulated operations can be significantly impacted by public policies, we participate responsibly in the political process and make reasonable political contributions consistent with all applicable laws and reporting requirements. We also hold memberships in a variety of industry, trade and business associations, which enable us to understand the views of others and obtain feedback on our positions.

As part of our commitment to good governance principles and transparency, the Board adopted a company-wide Political Contribution Policy effective December 31, 2018. This policy requires that our direct contributions or expenditures to a political party, a candidate for an elected office or his or her political campaign, or a political action committee (“PAC”) be made only:

- by the American Water Works Company, Inc. Employee Federal PAC (the “Federal PAC”), or
- to, or through, a PAC sponsored by or associated with one of our subsidiaries or lines of business (a “Subsidiary PAC”).

All political contributions by the Company must be approved in advance by our CEO. Political contributions by the Company’s subsidiaries must first be approved by the subsidiary’s or line of business’s president, or similar officer. We will disclose annually

Restated Certificate of Incorporation, our Amended and Restated Bylaws, the listing standards of the NYSE, and applicable laws. Additionally, the Board has adopted charters that govern the operations of the Audit, Finance and Risk Committee, the Compensation Committee, the Nominating Committee and the SETO Committee.

Current copies of all of the foregoing documents are available on our Investor Relations website at <https://ir.amwater.com> and can also be obtained by sending us a written request. See “Communications, Shareholder Proposals and Company Information—Contacting Us or Our Transfer Agent” on page 82 of this proxy statement.

on our website, within 180 days after the end of each fiscal year, information regarding our political contributions. We will also disclose payments we made to a trade association or tax-exempt organization during the last fiscal year, which, individually or in the aggregate, exceed \$50,000, if the association or organization provides a written statement that some or all of the payments were used for non-deductible political or lobbying purposes. We will make our first annual disclosure under this policy on our website by June 28, 2019.

Political contributions, as defined under this policy, exclude amounts spent in connection with a core business function, such as a water or wastewater system acquisition, defense of a condemnation action filed against us, or other activities that impact or affect the operation of our business, unless made to support a political party, a candidate for an elected office or his or her political campaign. A payment to a trade association or tax-exempt organization is also not a political contribution under this policy, even if any portion of the payment is used for political purposes.

The Board will review this policy at least annually and will also review and approve in advance the public disclosures required by the policy. Shareholders may currently view the policy through our Investor Relations website at <https://ir.amwater.com>.

PROPOSAL 1

ELECTION OF DIRECTORS

Explanation of the Proposal

In accordance with our Restated Certificate of Incorporation and Amended and Restated Bylaws, the number of directors is fixed from time to time by the Board. There are currently eight members on the Board.

On the recommendation of the Nominating Committee, the Board has nominated for election to the Board the following persons:

- Jeffrey N. Edwards
- Martha Clark Goss
- Veronica M. Hagen
- Julia L. Johnson
- Karl F. Kurz
- George MacKenzie
- James G. Stavridis
- Susan N. Story

Each of these nominees is currently a member of the Board. It is intended that, if elected, each nominee would hold office until the date of the 2020 annual meeting of shareholders, or until his or her successor is elected and qualified, or until his or her earlier death, resignation or removal. Proxies may not be voted for more than these eight nominees.

Each director nominee identified in this proxy statement has confirmed that he or she is willing and able to serve as a director, if elected. Should any of the nominees, prior to the meeting, become unavailable to serve as a director for any reason, the Board may either reduce the number of directors to be elected or select another nominee recommended by the Nominating Committee. If another nominee is selected, all proxies will be voted for the substitute nominee.

In accordance with our Amended and Restated Bylaws and our Corporate Governance Guidelines, prior to this meeting, each incumbent director nominee will submit

a contingent resignation in writing to the Chairman of the Board or the Secretary of American Water. The resignation becomes effective only if the director fails to receive a sufficient number of votes for re-election at the meeting, assuming a quorum is present and the Board accepts the resignation. In an uncontested election of directors, if any incumbent director nominated for re-election does not receive the vote of at least the majority of the votes cast at any meeting for the election of directors at which a quorum is present, the Nominating Committee will make a recommendation to the Board on whether to accept or reject such tendered resignation, or whether other action should be taken. The Board will act on the tendered resignation, taking into account the Nominating Committee's recommendation, and publicly disclose, by a press release, a filing with the SEC, or other broadly disseminated means of communication, its decision regarding the tendered resignation and the rationale behind the decision within 90 days from the date of the certification of the election results.

With respect to a tendered resignation, the Nominating Committee, in making its recommendation, and the Board, in making its decision, may each consider any factors or other information that it considers appropriate and relevant. The director who tenders his or her resignation will not participate in the recommendation of the Nominating Committee or the decision of the Board with respect to his or her resignation. If a director's resignation is not accepted by the Board, such director will continue to serve until the 2020 annual meeting of shareholders and until his or her successor is duly elected, or his or her earlier death, resignation or removal. If a director's resignation is accepted by the Board, then the Board, in its sole discretion, may fill any resulting vacancy or may decrease the size of the Board.

Director Criteria, Qualifications, Experience and Diversity

We believe that the backgrounds and qualifications of our directors, considered as a group, should provide a composite mix of experience, knowledge and abilities that will enable the Board to fulfill its responsibilities. Therefore, the Nominating Committee considers diversity in identifying nominees for directors. In this regard, the Nominating Committee views diversity in a broad sense, including on the basis of skills, experience, age, race, gender and ethnicity. The Board believes in balancing the value that longevity of director service can bring to our company with the value of new ideas and insights that can come through new members. In addition, our Corporate Governance Guidelines provide that directors must be persons of good character and thus must possess all of the following personal characteristics:

- *Integrity:* Directors must demonstrate high ethical standards and integrity in their personal and professional dealings.
- *Accountability:* Directors must be willing to be accountable for their decisions as directors.
- *Judgment:* Directors must possess the ability to provide wise and thoughtful counsel on a broad range of issues.
- *Responsibility:* Directors must interact with each other in a manner which encourages responsible, open, challenging and informed discussion.
- *High Performance Standards:* Directors must have a history of achievement which reflects high standards for themselves and others.
- *Commitment and Enthusiasm:* Directors must be committed to, and enthusiastic about, their performance for American Water as directors, both in absolute terms and relative to their peers.
- *Courage:* Directors must possess the courage to express views openly, even in the face of opposition.

The Board strives to have members with knowledge, experience and skills in the following core competencies:

- accounting and finance
- business judgment

- management
- crisis response
- industry knowledge
- utility regulation
- leadership, including in other public companies
- strategy/vision
- technology

In this regard, in evaluating a candidate's experience and skills, the Nominating Committee will consider qualities such as an understanding of the water industry, utilities, marketing, finance, customer service, utility and environmental regulation, cybersecurity and public policy issues. The Nominating Committee does not assign specific weights to particular criteria and no particular criterion is necessarily applicable to all prospective nominees. In addition, the Board is committed to having directors who add tangible value to American Water with a diversity of ideas, approaches and experiences and the interpersonal capacity to foster effective communication within the Board and with management.

Annually, the Nominating Committee reviews the profile, engagement and performance of each director to determine whether he or she should be renominated for board service. The Nominating Committee also considers whether, in light of our strategy or trends in our market environment, new skill sets or experiences would benefit our company and our shareholders.

The process followed by the Nominating Committee to identify and evaluate candidates includes requests to members of the Board and others for recommendations, meetings from time to time to evaluate biographical information and background material relating to potential candidates, and interviews of selected candidates by members of the Nominating Committee and other members of the Board. The Nominating Committee may engage a third party to assist in the search for director candidates or to assist in gathering information regarding a director candidate's background and experience. If the Nominating Committee engages a third party, that committee would approve the fee that American Water pays for these services.

When evaluating the recommendations of the Nominating Committee, the Board should take into account all factors it considers appropriate, which may include:

- whether the candidate is committed to the highest ethical standards;
- whether the candidate has special skills, expertise and background that would complement the attributes of the existing directors, taking into consideration the communities and geographies in which the Company operates;
- whether the candidate has achieved prominence in his or her business, governmental or professional activities, and has built a reputation that demonstrates the

ability to make the kind of important and sensitive judgments that the Board is called upon to make;

- whether the candidate will effectively, consistently and appropriately take into account and balance the legitimate interests and concerns of all of our shareholders and our other stakeholders in reaching decisions, rather than advancing the interests of a particular constituency;
- whether the candidate possesses a willingness to challenge management while working constructively as part of a team in an environment of collegiality and trust; and
- whether the candidate will be able to devote sufficient time and energy to the performance of his or her duties as a director.

Director Nominees

We have provided below a biographical information summary for each of our eight director nominees. Committee information has been provided as of the date of this proxy statement.



Jeffrey N. Edwards

Independent Director

Age: 58

Director Since: 2018

Committees:
Audit, Finance and Risk
SETO

Other Current Public Company Boards:

- Raymond James Financial, Inc., a diversified financial services company, since 2014

Past Public Company Boards:

- The NASDAQ Stock Market, Inc., 2004 to 2006

Business Experience:

- Chief Operating Officer, New Vernon Capital, since 2009
- Various senior executive positions over 22 years at Merrill Lynch & Co., including:
 - Vice Chairman, from 2007 to 2009
 - Chief Financial Officer, from 2005 to 2007
 - Head of Origination, Americas, from 2004 to 2005
 - Head of Global Capital Markets, from 2003 to 2004
 - Co-Head of Global Equity, from 2001 to 2003

Other Positions:

- Director, Medusind Solutions India Private Limited and Medusind Solutions, Inc., since 2012
- Chairman, Board of Trustees, The Pingry School

Education:

- Bachelor of Science, with Honors, Haverford College
- Master in Business Administration, The Harvard Business School

Experience and Qualifications to Serve on the Board:

- Mr. Edwards' current executive leadership position with an investment advisory firm demonstrates focus on growth and strategic planning.
- Longstanding executive experience with a leading global capital markets and financial services firm provides Mr. Edwards with a substantive understanding of many issues confronting our business, including capital markets needs, strategic planning, growth opportunities and a variety of operational matters.



Martha Clark Goss

Independent Director

Age: 69

Director Since: 2003

Committees:
Audit, Finance and Risk
(Chair)
Compensation

Other Current Public Company Boards:

- Neuberger Berman Mutual Funds, since 2007
- Allianz Life Insurance Company of New York, since 2005

Past Public Company Boards:

- Dexter Corporation
- Claire's Stores Inc.
- Ocwen Financial Corporation
- Foster Wheeler Corporation

Business Experience:

- Chief Operating Officer and Chief Financial Officer of Amwell Holdings/Hopewell Holdings LLC, a holding company and investment vehicle for investments in healthcare related companies, from 2003 until 2014
- Chief Financial Officer of The Capital Markets Company, from 1999 until 2001
- Chief Financial Officer of Booz Allen Hamilton Holding Corporation (formerly Booz-Allen Hamilton Inc.), from 1995 to 1999
- Various senior executive positions at Prudential Insurance Company, or Prudential, from 1981 until 1995, including President of Prudential Power Funding Associates, the investment arm of Prudential responsible for electric and gas utilities and alternative energy projects, Senior Vice President, Enterprise Risk Management and President, Prudential Asset Management Company, and Treasurer of Prudential
- Vice President, The Chase Manhattan Bank, from 1971 to 1976 and from 1978 to 1981

Other Positions:

- Trustee Emerita, Brown University
- Trustee and Treasurer, Brown University, from 1987 to 1998
- Member of the Board of the Museum for American Finance
- Member and Past President, director and audit committee chair of the Financial Women's Association of New York
- Member of the Committee of 200, a women's professional organization

Education:

- Bachelor of Arts, Brown University
- Master in Business Administration, The Harvard Business School

Experience and Qualifications to Serve on the Board:

- Ms. Goss' extensive financial, investment, and governance experience provides valuable insights to the Board and its committees.
- Experience as President of an investment subsidiary of Prudential, responsible for substantial investments in electric and gas public utilities and alternative energy projects, enables Ms. Goss to share with the Board her considerable knowledge regarding public utilities.
- Experience as Senior Vice President, Enterprise Risk Management, at Prudential enables Ms. Goss to provide expertise in risk management.



Veronica M. Hagen

Independent Director

Age: 73

Director Since: 2016

Committees:
SETO (Chair)
Compensation
Nominating

Other Current Public Company Boards:

- Southern Company, a transporter and producer of energy, since 2008 (Lead Independent Director from 2014 to 2016)
- Newmont Mining Corporation, a producer of gold, since 2005
- Stericycle, Inc., a multinational business-to-business services provider, since June 2018

Past Public Company Boards:

- Polymer Group, Inc., from 2007 to 2015
- Jacuzzi Brands, Inc., from 2004 to 2007

Business Experience:

- Chief Executive Officer of Polymer Group, Inc. (now known as AVINTIV Specialty Materials Inc.), a global manufacturer of specialty materials, from April 2007 to August 2013
- President and Chief Executive Officer of Sappi Fine Paper North America, a division of a South African-based pulp and paper company, from 2004 to 2007
- Various executive positions with Alcoa, Inc., including as Vice President and Chief Customer Officer and President, Alcoa Engineered Products, from 1998 to 2004

Education:

- Bachelor of Arts, University of Southern California
- Bachelor of Science, University of Southern California

Experience and Qualifications to Serve on the Board:

- Ms. Hagen has over 35 years of executive experience in global operational management and commercial business leadership, including serving as the chief executive officer of two successful public companies.
- Ms. Hagen has extensive experience and past service as a public company board member.
- Ms. Hagen also has significant leadership in the areas of employee engagement, customer service, strategic planning and business growth.



Julia L. Johnson

Independent Director

Age: 56

Director Since: 2008

Committees:
Compensation (Chair)
Nominating

Other Current Public Company Boards:

- MasTec, Inc., a utility infrastructure contractor, since 2002
- NorthWestern Corporation, a transporter and producer of energy, since 2004
- FirstEnergy Corp., a transporter and producer of energy, since 2011

Past Public Company Boards:

- Allegheny Energy, Inc., from 2003 until its merger with FirstEnergy Corp. in 2011

Business Experience:

- President of Net Communications, LLC, a strategy consulting firm specializing in the communications, energy and information technology public policy arenas, since 2001

Other Positions:

- Florida Public Service Commission, from January 1992 until November 1999, including chairwoman from January 1997 to January 1999
- Chair, Florida's Information Service Technology Development Task Force, from November 1999 to July 2001
- Chair, Emerging Issues Policy Forum
- Chair, Women's Energy & Innovation Network, Inc.
- Member, Foundation for Florida's Future
- Officer, Innovative Energy Solutions

Education:

- Bachelor of Science in Business Administration, University of Florida
- Juris Doctor, University of Florida College of Law

Experience and Qualifications to Serve on the Board:

- Ms. Johnson's service on a state public service commission with regulatory oversight over Florida's electric, telecommunications and water and wastewater industries, as well as her current leadership of a firm specializing in regulatory analysis and legal strategy, enables her to provide valuable perspectives on regulatory and public policy matters affecting our operations.



Karl F. Kurz

**Chairman
Independent Director**

Age: 57

**Director Since: 2015
Chairman Since: 2018**

Other Current Public Company Boards:

- SemGroup Corporation, a public energy midstream company, since 2009
- WPX Energy, Inc., a public independent oil and gas company, since 2014

Past Public Company Boards:

- Global Geophysical Services, Inc., from 2011 to 2015
- Western Gas Partners, from 2007 to 2009

Business Experience:

- Mr. Kurz is a private investor in the energy industry
- Chairman of Siluria Technologies Inc., a private energy technology company, from 2013 to 2018
- Managing Director, Co-Head of Energy, and a Member of the Investment Committee of CCMP Capital Advisors LLC, a leading global private equity firm, from 2009 to 2012
- Various executive and management positions with Anadarko Petroleum Corporation, including most recently Chief Operating Officer, from 2000 to 2009
- General Manager, Midstream and Marketing, Vastar Resources, Inc.
- Various management positions at ARCO Oil and Gas Company, in reservoir engineering, production operations, and financial trading
- Operating Advisor, Area Capital Corporation

Education:

- Bachelor of Science, *magna cum laude*, Petroleum Engineering, Texas A&M University
- Advanced Management Program graduate, The Harvard Business School

Experience and Qualifications to Serve on the Board:

- Mr. Kurz's long history of working in the oil and gas industry is invaluable as we continue our strategic growth in providing sustainable customized water transfer services to customers in the shale natural gas exploration and production industry, and in pursuing potential opportunities and solutions with respect to the national water-energy nexus discussion, smart water grid development and water supply issues.
- His experience in finance and capital markets brings additional insights to us and the Board regarding our operations, including with respect to liquidity and capital resources.



George MacKenzie

Independent Director

Age: 70

Director Since: 2003
Former Chairman: 2006 to 2018

Committees:
Nominating (Chair)
Audit, Finance and Risk

Other Current Public Company Boards:

- Tractor Supply Company, a U.S. retailer, since May 2007

Past Public Company Boards:

- Safeguard Scientifics, Inc., from February 2003 to June 2018
- C&D Technologies, Inc., from March 1999 to December 2010
- traffic.com, from December 2005 to March 2007
- Central Vermont Public Service Corp., from May 2001 to May 2006
- Hercules Incorporated, Vice Chairman of the Board of Directors, from April 2000 to June 2001

Business Experience:

- Executive Vice President and Chief Financial Officer of P.H. Glatfelter Company, a specialty paper manufacturer, from September 2001 to June 2002
- Various senior management positions, including most recently President, Chemical Specialties and Chief Financial Officer, Hercules Incorporated, a global manufacturer of specialty chemicals, from 1979 to 2001

Other Positions:

- Member, American and the Pennsylvania Institutes of Certified Public Accountants
- Member, Financial Executives Institute and Institute of Management Accountants

Education:

- Bachelor of Science, Business-Finance and Economics, University of Delaware
- Master of Business Administration, University of Chicago

Experience and Qualifications to Serve on the Board:

- Mr. MacKenzie's extensive service on public company boards of directors enables him to provide valuable insights into our corporate governance.
- His lengthy experience in operational and financial management enables him to provide useful insights on executive management considerations.
- His financial executive experience, coupled with his public accounting background, gives him an intimate knowledge of financial matters.



James G. Stavridis

Independent Director

Age: 64

Director Since: 2018

Committees:
Audit, Finance and Risk
SETO

Other Current Public Company Boards:

- Neuberger Berman Mutual Funds, since 2015

Business and Military Experience:

- Operating Executive, The Carlyle Group
- Chairman, Board of Advisors, McLarty Associates
- Dean, Tufts University, Fletcher School of Law and Diplomacy, from 2013 to 2018
- Admiral, U.S. Navy (Ret.), 2006 to 2013
 - Supreme Allied Commander, NATO, and Commander, U.S. European Command, 2009 to 2013
 - Commander, U.S. Southern Command, 2006 to 2009

Other Director Positions:

- Director, NFP Corp., since November 2017
- Director, Michael Baker International, LLC, since 2013
- Chairman, U.S. Naval Institute, since 2013
- Director, BMC Software Federal, LLC, since 2014

Education:

- Bachelor of Science, U.S. Naval Academy
- Master of Arts and Ph.D., Tufts University, Fletcher School of Law and Diplomacy

Experience and Qualifications to Serve on the Board:

- Admiral Stavridis' academic and practical knowledge in cybersecurity, critical infrastructure, innovation and leadership offers skill sets that are critical to the oversight of our regulated and market-based operations.
- Admiral Stavridis' long-standing service in a wide range of senior commands with the U.S. Navy exhibits superior leadership qualities and skills, and also serves to directly support our Military Services Group market-based business.
- Admiral Stavridis has significant experience serving on public and private boards of directors in a wide variety of industries, including insurance brokerage, mutual funds, construction and software.



Susan N. Story

**President and Chief
Executive Officer and
Director**

Age: 59

Director Since: 2014

Other Current Public Company Boards:

- Raymond James Financial, Inc., a diversified financial services company
 - Director since 2008
 - Lead director since January 2016
- Dominion Energy, Inc., a transporter and producer of energy, since January 2017

Business Experience:

- President and Chief Executive Officer of the Company, since May 2014
- Senior Vice President and Chief Financial Officer of the Company, from April 2013 to May 2014
- Thirty-one years at Southern Company and its subsidiaries, including:
 - Southern Company executive officer, from 2003 to 2013
 - President and Chief Executive Officer, Southern Company Services, from 2011 to 2013
 - President and Chief Executive Officer, Gulf Power Company, from 2003 to 2010
 - Executive Vice President, Engineering and Construction, Southern Company, from 2001 to 2003
 - Senior Vice President, Southern Power Company, from 2002 to 2003

Other Positions:

- Member, Moffitt Cancer Center Board of Advisors, Tampa, Florida

Education:

- Bachelor of Science, Auburn University
- Master of Business Administration, University of Alabama at Birmingham
- Post-Graduate Training in Finance, University of Alabama
- Post-Graduate Training, Birmingham School of Law

Experience and Qualifications to Serve on the Board:

- Ms. Story's intimate knowledge regarding our business, by virtue of her service as our President and Chief Executive Officer, and previously as our Senior Vice President and Chief Financial Officer, enables her to provide valuable insights regarding our strategies, operations, finance, administration and personnel matters.
- Her long career at Southern Company, including her leadership role at Gulf Power Company, enables her to provide important insights on regulated utility operations.
- Her leadership experience at Southern Company Services enables her to provide meaningful insights on a variety of key areas pertaining to our operations, including cybersecurity, supply chain, information technology, customer research and human resources.

Director Independence

The NYSE's listing standards require that:

- a majority of our directors and all of the members of the Nominating Committee satisfy the NYSE's independence standards applicable to all directors;
- all of the members of the Audit, Finance and Risk Committee satisfy the NYSE's independence standards applicable to audit committee members; and
- all of the members of the Compensation Committee satisfy the NYSE's independence standards applicable to compensation committee members.

Applying these standards, the Board determined that seven of our eight current directors, consisting of Ms. Goss, Hagen and Johnson, and Messrs. Edwards, Kurz, MacKenzie and Stavridis, qualify as independent.

The Board also determined that each of Ms. Goss, and Messrs. Edwards, MacKenzie and Stavridis, satisfies the NYSE's independence standards for audit committee members, and that each of Ms. Goss, Hagen and Johnson, and Mr. Kurz (as an alternate), satisfies the NYSE's independence standards for compensation committee members.

Finally, the Board also determined that Paul J. Evanson, a former director who served on the Board through January 17, 2018, satisfied the NYSE's independence standards applicable to all directors.

For a director to be considered independent under the NYSE listing standards, a director cannot have any of the disqualifying relationships enumerated by those standards. Furthermore, the NYSE listing standards state that a director is not independent unless the board of directors affirmatively determines that the director has no material relationship with the listed company (either directly or as a partner, shareholder or officer of an organization that has a relationship with the company). In making this determination, the Board considers all relevant facts and circumstances when assessing the materiality of any relationship of a director with the Company, not only from the standpoint of the director but also from that of persons or organizations with which the director has an affiliation. Material relationships can include, for example, commercial, industrial, banking, consulting, legal, accounting, charitable and familial relationships.

To assist the Board in considering whether a director has a material relationship with us, the Board has adopted categorical standards of material director relationships. Under these standards, which are based in part on the disqualifying relationships enumerated by the NYSE's listing standards, a director will not be deemed independent if any of the following relationships exist:

| Type of Relationship (1) | Description of Relationship (1)(2) |
|---|--|
| Employee or executive officer of American Water | The director is, or has been within the last three years, an employee of American Water, or an immediate family member of the director is, or has been within the last three years, an executive officer of American Water. However, employment as an interim chief executive officer or other officer will not disqualify a director from being considered independent following that employment. |
| Relationships with internal or external auditor | Any of the following relationships exist: <ul style="list-style-type: none"> • the director is a current partner or employee of American Water's internal or external auditor • the director has an immediate family member who is a current partner of the internal or external auditor • the director has an immediate family member who: <ul style="list-style-type: none"> ▪ is a current employee of the external auditor and ▪ personally works on the Company's audit • the director or an immediate family member of the director was, within the last three years: <ul style="list-style-type: none"> ▪ a partner or employee of the internal or external auditor and ▪ personally worked on the Company's audit within that time |

| Type of Relationship (1) | Description of Relationship (1)(2) |
|---|--|
| Compensation Committee interlocks | The director or an immediate family member of the director is, or has been within the last three years, employed as an executive officer of another company where any of the Company's present executive officers at the same time serves or served on that company's compensation committee. |
| Receipt of direct compensation from American Water | <p>The director or an immediate family member of the director received, during any 12-month period within the last three years, more than \$120,000 in direct compensation from American Water, other than director and committee fees and pension or other forms of deferred compensation for prior service (provided such compensation is not contingent in any way on continued service).</p> <p>Compensation received by a director for former service as an interim CEO or other executive officer need not be considered in determining independence under this standard.</p> <p>Compensation received by an immediate family member for service as an employee of American Water (other than as an executive officer) need not be considered in determining independence under this standard.</p> |
| Receipt of indirect compensation from American Water | The director is a current employee or holder of more than 10 percent of the equity of another company, or an immediate family member of the director is a current executive officer or holder of more than 10 percent of the equity of another company, that has made payments to, or received payments from, American Water or any subsidiary in any of the other company's last three fiscal years, that exceeds the greater of \$1 million or two percent of such other company's consolidated gross revenues. |
| Charitable contributions by American Water | The director is a current executive officer of a charitable organization to which American Water or any subsidiary has made charitable contributions in any of the charitable organization's last three fiscal years that exceed the greater of \$1 million or two percent of that charitable organization's consolidated gross revenues. |

- (1) A person's immediate family includes a person's spouse, parents, children, siblings, mothers- and fathers-in-law, sons- and daughters-in-law, and brothers- and sisters-in-law and anyone (other than domestic employees) who shares such person's home.
- (2) The term "executive officer" is defined to mean the following officers of American Water: President; Chief Financial Officer; Controller; any Vice President in charge of a principal business unit, division or function; and any other officer who performs similar policy-making functions for American Water. The term also includes any other person who performs similar policy-making functions for American Water. An officer of a subsidiary of American Water would be deemed to be an "executive officer" for purposes of this standard if he or she performs such policy-making functions for American Water. A list of American Water's executive officers, as defined above, as of February 19, 2019 has been provided in the 2018 Annual Report.

Director Evaluations and Assessments

Each year, directors complete a targeted questionnaire to assess the performance of the Board and each of the standing committees. The questionnaire elicits quantitative and qualitative ratings in key areas of Board operation and function and seeks subjective comments from each director. Each committee member completes questions to evaluate how well the committees on which he or she serves are functioning and to provide suggestions for improvement.

Since 2017, the Board utilized a peer review process by which each director was asked to provide feedback on a number of characteristics of each of the other directors, including background, leadership, preparation, focus on shareholder interests, participation and independence.

In addition, annually, members of our executive leadership team comprised of senior executives of the

Company who regularly interact with the Board and the committees are solicited to provide their input and perspective on the operation of the Board and how the Board might improve its effectiveness.

Finally, our Chairman also interviews each director individually to obtain his or her assessment of director performance, Board dynamics and the effectiveness of the Board and its committees, and to discuss the results of the peer review process and his or her responses to these questions.

A summary of the responses to the questionnaires and the responses received from senior management's feedback is reviewed by the Chairman. The summary and related responses with respect to the Board and each committee is ultimately discussed in executive session in meetings of the Board and each respective committee.

Director Compensation

During 2018, our non-employee directors received annual cash retainers, paid in quarterly installments, for their services as described in the table below. Additionally, each non-employee director received an annual grant of approximately \$125,000 in equity compensation (\$187,500 for the Chairman of the Board). As our President and Chief Executive Officer, Ms. Story does not receive any additional compensation for serving as a director.

Our director cash compensation as of the date of this proxy statement is as follows:

| Director | Annual Cash Retainer |
|--|----------------------|
| Chairman of the Board | \$ 162,500 |
| Audit, Finance and Risk Committee Chair | \$ 125,000 |
| Compensation Committee, Nominating Committee and SETO Committee Chairs | \$ 120,000 |
| Other Non-Employee Directors | \$ 100,000 |

For calendar year 2018, Semler Brossy Consulting Group LLC, or Semler Brossy, the Compensation Committee's independent compensation consultant, reviewed American Water's non-employee director pay program for market competitiveness. The data provided by Semler Brossy was reviewed and considered as part of the Board's approval of the following changes to the Company's director compensation:

- The annual cash retainer for the Audit, Finance and Risk Committee and the Nominating Committee chairs was increased from \$20,000 to \$25,000 and from \$12,500 to \$20,000, respectively.
- The SETO Committee chair's annual cash retainer was set at \$20,000.
- The annual equity award for non-employee directors was increased from \$105,000 to \$125,000.
- The total "premium" payable to our Chairman, which is split equally between cash and equity compensation, was increased from \$110,000 to \$125,000.

The data provided by Semler Brossy indicated that equity compensation paid to our non-employee directors was below the median of our 2018 peer group, and that our Chairman's total compensation was below median levels for non-executive chairmen among those peers. Also, this was the first increase to our Chairman's premium since 2012. These director compensation changes took effect on May 11, 2018.

We do not pay our directors a separate fee for attendance at Board or committee meetings, except that, during 2018, Mr. Kurz received a \$7,500 annual retainer for his service on the board of directors of Water Solutions Holdings, LLC, our wholly owned subsidiary which through its subsidiary, Keystone Clearwater Solutions, LLC, or Keystone, provides customized water transfer services for shale natural gas companies.

Equity compensation for our non-employee directors is paid in the form of stock units under our 2017 Omnibus Plan. The actual number of stock units granted is based on the closing price of our common stock on the date of grant, which is typically the date

the director is elected to the Board. The stock units vest on the date of grant and the shares underlying the stock units are distributed to the directors approximately 15 months after the date of grant, subject to earlier distribution in the event of a change in control or the termination of the director's service on the Board, or in accordance with the director's irrevocable election to defer distribution of all of his or her shares of common stock to a later time.

To the extent that a dividend is paid on our common stock prior to the time that shares of common stock may be distributed, the value of the dividend that would have been paid if the stock units had been outstanding shares of common stock is credited to an account for the director. Such dividend equivalents are payable to the director in a lump sum, in cash and without interest, and are paid when shares of common stock are distributed to the director.

Non-employee directors are reimbursed for expenses incurred in attending Board and committee meetings and for up to \$5,000 every two years per director for director educational expenses incurred.

Director Compensation Table

The following table provides information regarding compensation paid in 2018 to each person who served as our non-employee director during that year. The table does not include amounts paid for reimbursement of travel expenses related to attending Board and committee meetings or any reimbursement

of director educational expenses, and does not include compensation paid to Ms. Story. See "Executive Compensation" beginning on page 52 of this proxy statement for information relating to Ms. Story's compensation.

| Name | Fee Earned or Paid in Cash (\$) | Stock Unit Awards \$(1) | All Other Compensation \$(2) | Total (\$) |
|----------------------------|---------------------------------------|-------------------------------|------------------------------------|------------|
| Jeffrey N. Edwards | \$ 83,611 | \$ 145,469 | \$ 343 | \$ 229,423 |
| Paul J. Evanson (3) | \$ 30,000 | \$ — | \$ 1,713 | \$ 31,713 |
| Martha Clark Goss | \$ 123,201 | \$ 124,970 | \$ — | \$ 248,171 |
| Veronica M. Hagen | \$ 112,802 | \$ 124,970 (4) | \$ — | \$ 237,772 |
| Julia L. Johnson | \$ 119,052 | \$ 124,970 | \$ 17,119 | \$ 261,141 |
| Karl F. Kurz | \$ 151,882 (5) | \$ 187,496 | \$ 3,536 | \$ 342,914 |
| George MacKenzie | \$ 140,320 | \$ 124,970 | \$ 5,389 | \$ 270,679 |
| James G. Stavridis | \$ 83,611 | \$ 145,469 | \$ 343 | \$ 229,423 |

- (1) The amounts shown in this column reflect the grant date fair value of the stock units granted to the directors as part of their annual retainer. The grant date fair value was computed in accordance with Financial Accounting Standards Board Accounting Standards Codification Topic 718, *Compensation—Stock Compensation*, or ASC

718. See Note 10—Stock Based Compensation, in the Notes to Consolidated Financial Statements included in the 2018 Form 10-K for the assumptions used in determining grant date fair value.

- (2) Represents dividend equivalents paid in cash in 2018 at the time of the distribution of shares underlying stock unit awards.
- (3) Mr. Evanson retired from the Board on January 17, 2018.
- (4) Ms. Hagen elected to defer the receipt of shares under this stock unit award beyond August 14, 2019.
- (5) Includes a \$7,500 retainer for service on the board of directors of Water Solutions Holdings, LLC.

The following table shows the aggregate number of stock units held by each person who served as a non-employee director as of December 31, 2018:

| Name | Stock Units (#) |
|--------------------|--------------------|
| Jeffrey N. Edwards | 1,497 |
| Martha Clark Goss | 2,873 |
| Veronica M. Hagen | 4,278 |
| Julia L. Johnson | 8,890 |
| Karl F. Kurz | 3,651 |
| George MacKenzie | 1,497 |
| James G. Stavridis | 1,497 |

We did not grant stock options to non-employee directors in 2018 and none of the non-employee directors held any Company stock options as of December 31, 2018.

Director Stock Ownership Requirements

To align the interests of our directors and shareholders, we have a stock ownership policy for directors under which each director is required to hold shares equaling five times the director's annual cash retainer by the fifth anniversary of the commencement of service as a director. Each of our directors satisfied the stock ownership requirement as of December 31, 2018, except for Messrs. Edwards, Kurz and Stavridis, who are currently within their five-year compliance periods.

Recommendation of the Board

The Board unanimously recommends a vote **"FOR"** the election of each of the eight director nominees as named in this proxy statement.

PROPOSAL 2

VOTE TO APPROVE, ON AN ADVISORY BASIS, THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS

Background of the Proposal

Section 14A of the Securities Exchange Act of 1934, as amended, or the Exchange Act, enables our shareholders to vote to approve, on an advisory (non-binding) basis, the compensation of our named executive officers, or NEOs, as disclosed in this proxy statement in accordance with the SEC's rules. The disclosures related to compensation of our NEOs consist of the Compensation Discussion and Analysis, or CD&A, the 2018 Summary Compensation Table, and the other required executive compensation tables and related narrative disclosures in this proxy statement. In accordance with the advisory vote of our shareholders at our 2018 annual meeting of shareholders, we are providing to our shareholders the opportunity to vote annually to approve, on an advisory basis, the compensation of our NEOs.

Our executive compensation philosophy and programs are designed to create a positive correlation of pay to performance and reward our NEOs for delivering results. We seek to attract, motivate and retain high-caliber executives and to align the interests of those executives with the interests of our shareholders in order to build long-term, sustainable value for our shareholders.

Recommendation of the Board

The Board unanimously recommends a vote **"FOR"** the approval, on an advisory basis, of the compensation of our NEOs.

Accordingly, the Board recommends that our shareholders vote **"FOR"** the following resolution:

RESOLVED, that the shareholders of American Water Works Company, Inc. (the "Company") approve, on an advisory basis, the compensation of the Company's named executive officers, as disclosed pursuant to the compensation disclosure rules of the U.S. Securities and Exchange Commission, including the Compensation Discussion and Analysis, the executive compensation tables and the related narrative discussion in the Company's proxy statement for the 2019 annual meeting of shareholders.

While the vote is not binding on us, our Compensation Committee values the opinions expressed by our shareholders and will carefully consider the outcome of the vote when making future compensation decisions for our NEOs.

COMPENSATION COMMITTEE REPORT

The Executive Development and Compensation Committee has reviewed and discussed with our management the Compensation Discussion and Analysis, or CD&A, required by Item 402(b) of Regulation S-K. Based on this review and discussion, the Executive Development and Compensation Committee recommended to the Board that the CD&A be included in this proxy statement.

Respectfully submitted,

Julia L. Johnson (Chair)
Veronica M. Hagen
Martha Clark Goss

COMPENSATION DISCUSSION AND ANALYSIS

In this CD&A, we address our compensation philosophy and programs, the key decisions of our Compensation Committee with respect to these programs and the reasons for those decisions, principally with respect to our NEOs, who are:

- Susan N. Story, President and Chief Executive Officer;

- Linda G. Sullivan, Executive Vice President and Chief Financial Officer;
- Walter J. Lynch, Executive Vice President and Chief Operating Officer;
- Michael A. Sgro, Executive Vice President, General Counsel and Secretary; and
- Loyd A. Warnock, Senior Vice President, External Affairs and Business Development.

Executive Summary

Compensation Philosophy

Our executive compensation program is designed to:

- reward our NEOs for delivering results;
- correlate actual pay realized by our NEOs to our short- and long-term performance;
- align the interests of our shareholders and NEOs; and
- attract, motivate and retain high-caliber executives by providing compensation that is comparable to and competitive with other companies we compete with for executive talent.

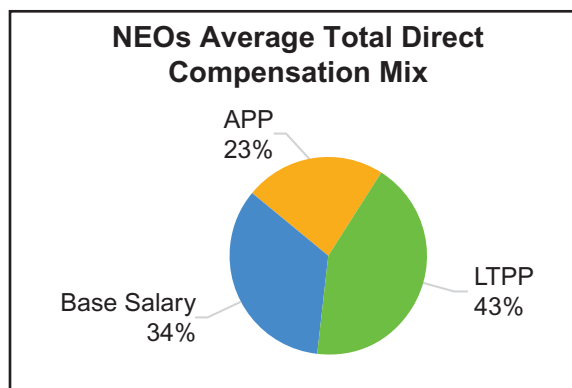
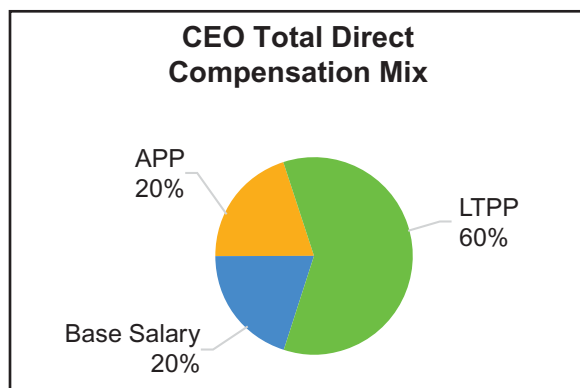
Our focus on pay for performance is demonstrated by the way we structure our three principal elements of compensation:

- annual base salary;
- our APP, which is our annual cash-based performance plan; and

- our Long-Term Performance Plan, or LTPP, which is our long-term equity compensation program.

In addition, we provide employee retirement and health and welfare benefit plans, as well as our Executive Severance Policy. We designed the plans and policy to provide competitive supplemental benefits to our NEOs.

The allocation of compensation among these elements ties compensation levels and payouts to our company performance, with an appropriate level of risk. The following graphs represent our compensation mix in 2018, assuming annual and long-term incentive awards are paid at target levels, for both our CEO and, on an average basis, for all of our other NEOs as a group:



Our Operating Performance in 2018

Our operating performance in 2018 demonstrated our continued commitment to shareholders and our focus on our five strategic themes in 2018: safety, customers, people, growth, and technology and operational efficiency. By focusing on keeping our employees safe, delivering outstanding customer service, effectively managing costs, investing capital where needed, maintaining constructive regulatory relationships and growing strategically, we continue to create value for our shareholders. Operating performance highlights for 2018 include the following:

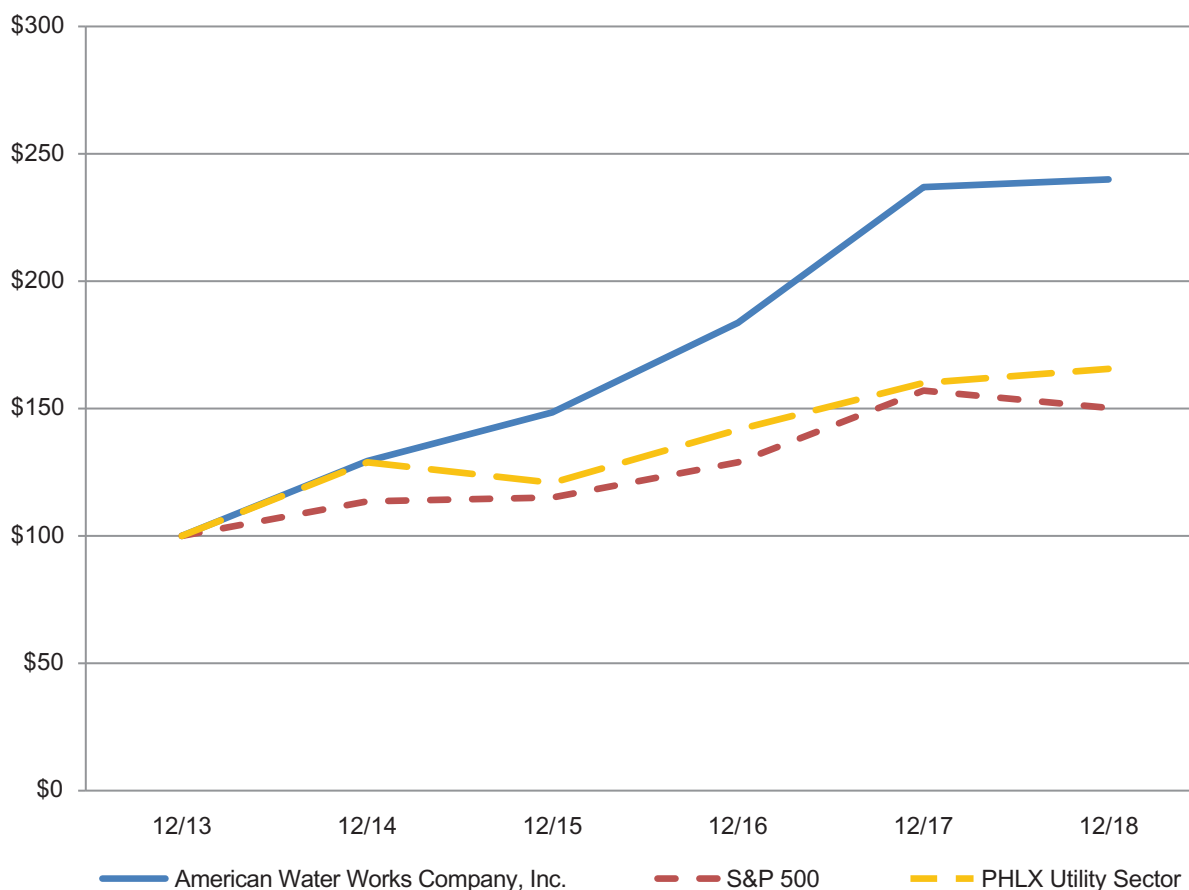
| | | |
|---|-----|--|
| Total Shareholder Return (TSR) | --- | TSR was 1.3 percent during 2018, compared to (4.4) percent for the S&P 500 and 3.5 percent for the PHLX Utility Sector Index in 2018; our TSR for the five years ended December 31, 2018 was 140.1 percent |
| Annual Dividends (1) | ▲ | 10.3 percent overall five-year CAGR in annual dividend payments anchored off 2013 dividends paid, and six years in a row of nearly 10 percent or more annual dividend increases |
| GAAP Diluted EPS | ▲ | 32.4 percent increase in 2018 from 2017, primarily due to a \$0.63 per diluted share decrease in non-cash charges associated with the impact of the re-measurement of the Company's deferred income taxes resulting from the Tax Cuts and Jobs Act, or the TCJA, and a \$0.06 per diluted share after-tax gain in the third quarter of 2018 on the sale of the majority of our Contract Services Group's operation and maintenance ("O&M") contracts, partially offset by a \$(0.22) per diluted share charge in the third quarter of 2018 related to goodwill and intangible impairments resulting from the narrowing of the focus of our Keystone market-based business, as well as the items discussed under "Adjusted Diluted EPS" below |
| Adjusted Diluted EPS (2) | ▲ | 8.9 percent increase in 2018 compared to 2017, primarily due to continued growth in our regulated businesses and market-based businesses, offset by higher O&M expenses and the lower tax deduction for interest expense at the parent company resulting from the enactment of the TCJA |
| Adjusted O&M Efficiency Ratio - Regulated Businesses (2) (3) | ▼ | Adjusted O&M efficiency ratio for the regulated businesses was 35.6 percent in 2018, compared to 35.3 percent for 2017 |
| Regulated Businesses Growth | ▲ | Approximately 14,000 new customers added in 2018 through regulated acquisitions and approximately 11,000 new regulated customers added in 2018 through organic growth |
| Market-Based Businesses Growth | ▲ | 12.8 percent increase in operating revenues from 2017 to 2018 in our market-based businesses |
| OSHA Recordable Incident Rate (ORIR) | ▲ | Reduced our Occupational Safety and Health Administration, or OSHA, recordable incident rate from 1.82 in 2017 to 1.63 in 2018 |

- (1) Dividends paid in 2013 include an accelerated first quarter 2013 cash dividend paid on December 28, 2012 to allow shareholders to take advantage of 2012 tax rates.
- (2) Non-GAAP financial measure; see Appendix A for reconciliation and other information.
- (3) A decrease in our adjusted O&M efficiency ratio from period to period signifies improvement in the operating efficiency of our regulated businesses. The adjusted O&M efficiency ratio reported in the Company's Annual Report on Form 10-K for the year ended December 31, 2017 was 33.8 percent, which did not include adjustments for the items described in clauses (i) and (iii) in Part B of Appendix A.

Return to Shareholders

We have returned significant value to our shareholders over the past five years. The following stock performance graph shows how a \$100.00 investment in our common stock on December 31, 2013 would have grown to \$240.12 on December 31, 2018, assuming quarterly dividend reinvestment. This



return compares favorably to the return that would have been obtained through the same investment in the Standard & Poor's 500 Index and the PHLX Utility Sector Index, assuming dividend reinvestment, during the same period.



| | 12/31/2013 | 12/31/2014 | 12/31/2015 | 12/30/2016 | 12/29/2017 | 12/31/2018 |
|---|------------|------------|------------|------------|------------|------------|
| American Water Works Company, Inc. | \$ 100.00 | \$ 129.42 | \$ 148.64 | \$ 183.70 | \$ 237.01 | \$ 240.12 |
| PHLX Utility Sector | \$ 100.00 | \$ 128.94 | \$ 120.87 | \$ 141.90 | \$ 160.09 | \$ 165.72 |
| S&P 500 | \$ 100.00 | \$ 113.68 | \$ 115.24 | \$ 129.02 | \$ 157.17 | \$ 150.27 |

Summary of Executive Compensation Practices

The table below summarizes compensation practices that we do and do not follow:

|  |  |
|---|--|
| <ul style="list-style-type: none"> Considerable portion of pay is variable, rather than fixed, and is earned solely based on performance without incentivizing excessive risk-taking | <ul style="list-style-type: none"> No individual change of control agreements |
| <ul style="list-style-type: none"> Equity compensation is weighted significantly toward performance stock units | <ul style="list-style-type: none"> No individual employment agreements for NEOs with standing severance or termination provisions |
| <ul style="list-style-type: none"> Executive stock ownership guidelines and retention requirements encourage equity ownership and retention | <ul style="list-style-type: none"> No established single-trigger change in control payment requirements |
| <ul style="list-style-type: none"> Compensation Committee oversees annual compensation program risk assessment | <ul style="list-style-type: none"> No excise tax gross-ups |
| <ul style="list-style-type: none"> A representative, relevant peer group is used for TSR performance and compensation benchmarking and is evaluated annually | <ul style="list-style-type: none"> No repricing of underwater stock options |
| <ul style="list-style-type: none"> Reasonable severance arrangements are provided pursuant to our Executive Severance Policy and 2017 Omnibus Plan awards | <ul style="list-style-type: none"> No hedging, pledging, short selling and purchasing common stock on margin by employees, officers and directors |
| <ul style="list-style-type: none"> Compensation Committee retained and used an independent consultant throughout 2018 | <ul style="list-style-type: none"> No supplemental executive retirement plans open to new executives |
| <ul style="list-style-type: none"> Double-trigger change in control provision in 2017 Omnibus Plan | <ul style="list-style-type: none"> No distribution of cash dividend equivalents on equity awards unless and until they vest |
| <ul style="list-style-type: none"> Limited perquisites and other personal benefits, principally executive physicals | <ul style="list-style-type: none"> No sales of greater than 50 percent of stock underlying equity awards or intrinsic value of options when stock ownership is less than guidelines |
| <ul style="list-style-type: none"> Cash performance-based awards and equity awards subject to clawback policy adopted by Compensation Committee | |

Highlights of 2018 Significant Compensation Actions

The table below highlights significant compensation actions taken by the Compensation Committee with respect to 2018 regarding our primary elements of executive compensation. For more information on the Compensation Committee's use of various benchmarking data, see "—Compensation Determinations and Pay Competitiveness in 2018."

| Compensation Element | NEO | Action Taken | Rationale |
|----------------------|---------------------------------------|---|---|
| Base Salary | Mr. Sgro | <ul style="list-style-type: none"> Increased annual base salary for 2018 by 6.6 percent from 2017 | <ul style="list-style-type: none"> Brings base salary compensation closer to median of the benchmarking data Reflects Mr. Warnock's expanded role in overall business development efforts, in addition to government affairs For Ms. Story, this increase brings her base salary closer to median of the benchmarking data For Ms. Sullivan and Mr. Lynch, these reflect modest increases in base salary for effective NEOs |
| | Mr. Warnock | <ul style="list-style-type: none"> Increased annual base salary for 2018 by 12.6 percent from 2017 | |
| | Ms. Story, Ms. Sullivan and Mr. Lynch | <ul style="list-style-type: none"> Increased annual base salary for 2018 by approximately 2.8 percent from 2017 | |
| LTPP | Ms. Story | <ul style="list-style-type: none"> Increased 2018 LTPP award opportunity to 300 percent | <ul style="list-style-type: none"> Brings Ms. Story's total direct compensation within the competitive range (which we define to be ± 15 percent) of the median of the benchmarking data Recognizes Ms. Story's strong and sustained performance and tenure in the role of CEO Keeps Ms. Sullivan's total direct compensation within the competitive range of the median of the benchmarking data Keeps Mr. Sgro's total direct compensation within the competitive range of the median of our 2018 peer group and at the median of the market data Encourages Mr. Sgro to remain with the Company at least through January 31, 2022 for succession planning purposes and given his eligibility to receive fully-vested benefits under our qualified pension plan Adjusted to reflect Mr. Warnock's expanded role in business development efforts, as well as managing government affairs and communications Acknowledges that executives serving in the CEO, CFO and COO roles consistently make decisions that are both in our short- and long-term interests |
| | Ms. Sullivan | <ul style="list-style-type: none"> Increased 2018 LTPP award opportunity to 135 percent | |
| | Mr. Sgro | <ul style="list-style-type: none"> Increased 2018 LTPP award opportunity to 115 percent Provided for accelerated vesting of 2020 and 2021 LTPP awards, if granted | |
| | Mr. Warnock | <ul style="list-style-type: none"> Increased 2018 LTPP award opportunity to 100 percent | |
| | Ms. Story, Ms. Sullivan and Mr. Lynch | <ul style="list-style-type: none"> Implemented continued vesting of future long-term equity awards following normal or early retirement | |

Shareholder Advisory Votes

At our 2018 annual meeting of shareholders, the shareholders approved, on an advisory basis, the compensation paid to our NEOs, as disclosed under the compensation disclosure rules of the SEC, including the CD&A, the executive compensation tables and any related materials disclosed in the proxy statement for the 2018 annual meeting of shareholders. Often referred to as the “say-on-pay vote,” the shareholder vote in favor of NEO compensation was approximately 96.8 percent of the shares present in person or by proxy and eligible to vote at the meeting. Since 2011, the first year of our say-on-pay vote, the shareholder vote in favor of NEO compensation has averaged 97.3 percent.

Compensation Determinations and Pay Competitiveness in 2018

For 2018, the Compensation Committee reviewed and approved all compensation paid to our NEOs, and made recommendations to the independent members of the Board with respect to compensation paid to Ms. Story. The independent members of the Board, after considering the recommendations of the Compensation Committee, approved Ms. Story’s 2018 compensation. Ms. Story did not participate in the Compensation Committee’s recommendations regarding her own compensation and was excused from those portions of the Compensation Committee and Board meetings during which her compensation was deliberated upon and determined.

The Compensation Committee considered Ms. Story’s assessment of the performance of the other NEOs, as well as Ms. Story’s compensation recommendations regarding each such NEO’s base salary and their APP and LTPP award opportunities. The Compensation Committee, with Ms. Story’s participation, discussed the 2018 performance of each NEO other than Ms. Story, and, after discussion and deliberation held in executive session, approved compensation determinations for such NEOs.

During 2018, for decisions made with respect to the compensation of our NEOs, the Compensation Committee engaged Semler Brossy as its independent compensation consultant. In making these executive compensation determinations, the Compensation Committee reviewed, among other things, data provided by Semler Brossy to gauge the

We consider this vote to be a strong endorsement of our executive compensation program, practices and policies. Based upon this support, the Compensation Committee did not believe that any corresponding action or change in our compensation program was needed.

At our annual meeting, we will again hold our say-on-pay vote. In making its decisions regarding executive compensation, the Compensation Committee will consider the results of this advisory vote, as well as feedback obtained from shareholders throughout the course of the year.

comparability of our executive compensation to the compensation paid to executives in other companies with generally corresponding responsibilities.

By reviewing all of this benchmarking data, the Compensation Committee is able to assess competitive market compensation practices. Two of the primary ways the Compensation Committee evaluates our executive compensation arrangements and practices is to compare them to market data in a Willis Towers Watson study comprised of 60 percent weighting on utility industry companies and 40 percent weighting on general industry companies, as well as to similar data on companies in the 2018 peer group, as described below. The Compensation Committee believes there is a strong likelihood that an executive officer’s skills will be transferable among these companies, and thus we would expect to compete with these companies and others for executive officer talent. This peer group is also used to compute the three-year relative total shareholder return for our PSUs with vesting tied to this metric. The Compensation Committee referred to all of this benchmarking data as part of its review of general compensation practices and trends of the utility industry and our 2018 peer group.

The composition of our peer group is reassessed annually and may be changed by the Compensation Committee to reflect corporate transactions or other events that may affect the comparability of one or more of the constituent companies. In reviewing the

appropriateness of companies, the Compensation Committee considers factors most relevant to us as a utility, including, in decreasing order of relevance, consolidated total assets, market capitalization, number of employees, consolidated revenues, and the proportion of revenue received from our regulated businesses. For 2018, consolidated total assets was the Compensation Committee's primary relevant factor, which reflects the fact that the Company's primary business involves the ownership of water and wastewater utilities subject to economic regulation by state utility commissions or similar entities. As of December 31, 2018, according to Semler Brossy, we

were positioned near the median of our peer group in terms of total assets, in the top quartile in terms of market capitalization, near the 40th percentile in terms of number of employees and in the bottom quartile in terms of our fiscal 2018 revenues.

The peer group that was used in 2018 to calculate the three-year total shareholder return for our PSU awards granted during the year and by the Compensation Committee to make compensation decisions with respect to our NEOs was comprised of the companies listed below, which is collectively referred to as the 2018 peer group.

2018 American Water Compensation Peer Group

| | | |
|----------------------------|---------------------------|-----------------------------------|
| Alliant Energy Corporation | Eversource Energy | PPL Corporation |
| Ameren Corporation | MDU Resources Group, Inc. | Pinnacle West Capital Corporation |
| Atmos Energy Corporation | NiSource Inc. | SCANA Corporation |
| CenterPoint Energy, Inc. | OGE Energy Corp. | UGI Corporation |
| CMS Energy Corporation | | WEC Energy Group, Inc. |

In January 2019, the Compensation Committee conducted a thorough review of the 2018 peer group in light of pending mergers and acquisitions activity involving peer companies. Based on this review, the Compensation Committee approved the removal of SCANA Corporation from the peer group for 2019 following the acquisition of that company by Dominion

Energy, Inc. on January 1, 2019. To maintain the same number of peer companies, the Compensation Committee approved the addition of Entergy Corporation. The Compensation Committee followed a similar analysis as was used in 2018 to select Entergy Corporation from a group of water, gas, electric and multi-utility companies.

2018 Compensation

Compensation Philosophy and Objectives

Our executive compensation program is designed to reward our NEOs for delivering results and building long-term sustainable value for our shareholders. We believe our program's performance measures align the interests of our shareholders and NEOs by correlating pay to our short- and long-term performance.

We focused on the following objectives in making compensation decisions as to our NEOs for 2018:

- Reward our executives for achieving both superior financial performance and outstanding non-financial performance relating to safety, customers, people, growth, and technology and operational efficiency, all of which lead to long-term financial strength;
- Focus pay on both short- and long-term performance, with a proportionately greater

emphasis on long-term, based upon criteria recognized in peer companies and the utility and water industries generally;

- Build long-term, sustainable value for shareholders by emphasizing compensation that rewards such value, including long-term, performance-based equity-based compensation, and de-emphasizing short-term, cash-based compensation;
- Align NEO and shareholder interests as an incentive to increase shareholder value by requiring consistent, meaningful equity ownership; and
- Provide compensation to our NEOs that reflects their responsibilities and contributions, and is comparable to and within a competitive range of, the median of compensation reflected in our benchmarking data, in order to attract, motivate and retain high-caliber executives.

Base Salaries

For 2018, we made the following base salary determinations for our NEOs:

- Ms. Story's base salary was increased from \$925,000 to \$950,000, effective March 12, 2018, reflecting the Board's conclusions that, based upon benchmarking data provided by Semler Brossy and Willis Towers Watson, Ms. Story's base salary was below the median for her position.
- Each of Ms. Sullivan's and Mr. Lynch's base salary was modestly increased by approximately 2.8 percent, effective March 12, 2018, as each

executive was viewed to have been effective in 2017.

- Mr. Sgro's base salary was increased by 6.6 percent, effective March 12, 2018, compared to 2017, which brought his base salary closer to the median of the benchmarking data and recognized Mr. Sgro as an effective executive in 2017.
- Mr. Warnock's base salary was increased by 12.6 percent effective March 12, 2018 and reflects his expanded role in managing our overall business development efforts as well as the government affairs and communications teams.

2018 Annual Performance Plan

The APP is designed to incentivize eligible participants to achieve annual business objectives by providing an opportunity to earn a cash payout tied to corporate and individual performance.

The 2018 target award opportunity for each NEO is equal to a percentage of each NEO's base salary,

based on the individual's position with American Water. No NEO received an increase in his or her target award opportunity as a percentage of salary for 2018. Information used to calculate the 2018 APP award payouts for each NEO is included in the table below.

| Named Executive Officer | Percentage of Base Salary | 2018 APP Target | 2018 APP Payout Percentage | 2018 APP Award |
|--------------------------|---------------------------|-----------------|----------------------------|----------------|
| Susan N. Story | 100% (1) | \$ 950,000 | 98.8% | \$ 938,600 |
| Linda G. Sullivan | 75% | \$ 384,944 | 98.8% | \$ 380,325 |
| Walter J. Lynch | 75% | \$ 438,799 | 95.7% | \$ 419,931 |
| Michael A. Sgro | 75% | \$ 327,675 | 98.8% | \$ 323,743 |
| Loyd A. Warnock | 50% | \$ 216,750 | 98.8% | \$ 214,149 |

(1) In February 2019, Ms. Story's APP target for 2019 as a percentage of base salary was increased to 110 percent.

As was the case in 2017, no awards would be made under the 2018 APP if adjusted EPS is less than 90 percent of target. For 2018, in light of the TCJA's changes in Federal income tax law, we simplified the APP's performance goal structure by eliminating both the requirement that we record, as a threshold performance goal, positive GAAP net income, and the funding of a 200 percent overall maximum APP award opportunity for each NEO upon satisfaction of that threshold performance goal, subject to the exercise of negative discretion by the Compensation Committee to reduce the payout based on actual performance.

The APP performance measures chosen for 2018 reflected our primary objectives for financial performance, aligned with our 2018 core business strategies of safety, customers, people, growth, and technology and operational efficiency. As has been the case in prior years, the safety and people goals (ORIR and DART injury rate) would not be earned in a year in which there was an employee fatality.

The Compensation Committee determines the payout for APP awards using a corporate performance factor. The corporate performance factor is computed by adding the weighted results achieved for each

performance measure, based on results determined by the Compensation Committee as soon as reasonably practicable after the end of the year. The percentage added to determine the corporate performance factor with respect to each measure was dependent on actual performance with regard to that measure.

The following table provides information regarding each of the performance measures used to determine

the corporate performance factor, including the threshold, target and maximum performance requirements for each measure. The table also indicates the percentage that would be included in the corporate performance factor for threshold, target and maximum performance. If the threshold performance requirement for a performance measure is not met, no additional percentage would be added to the corporate performance factor.

| Performance Measure | Percentage Included in the Corporate Performance Factor | Threshold Performance (Weighting) | Target Performance (Weighting) | Maximum Performance (Weighting) | Actual Performance (Percentage Earned) | How We Calculate the Performance Measure | Why We Use this Measure |
|------------------------------|---|-----------------------------------|---|-------------------------------------|--|---|---|
| Adjusted EPS (1) | 50.0% | \$3.03 (0.0%) | \$3.27 (50.0%) | \$3.32 (75.0%) | \$3.30 (65.0%) | Adjusted EPS is diluted EPS calculated in accordance with GAAP as reported in the Company's audited consolidated financial statements, adjusted to eliminate the impact of the items shown with respect to 2018 adjusted diluted earnings per share as set forth on Appendix A. | Adjusted EPS is a key measure of our financial and operational success, and achieving our earnings and strategic goals creates long-term shareholder value and provides greater total return to our shareholders. |
| Customer Satisfaction | 15.0% | Fourth Quartile (0.0%) | Third Quartile (3.75% to 11.3%) Second Quartile (12.0% to 18.0%) | First Quartile (18.75% to 22.5%) | First Quartile - High (22.5%) | A quarterly survey is conducted by a third-party firm of random regulated water and wastewater customers. | Our service quality and customer issues are a focus of state public utility commissions in evaluating rate cases. |
| ORIR (2) | 7.5% | 1.83 (0.0%) | 1.46 (7.5%) | 1.35 (11.25%) | 1.63 (4.1%) | ORIR is a measure of injuries and illnesses requiring treatment beyond first aid for every 200,000 hours worked. | To continue our momentum toward becoming an industry leader with respect to the safety and well-being of our workforce. |
| DART injury rate (2) | 7.5% | 1.40 (0.0%) | 1.12 (7.5%) | 1.04 (11.25%) | 1.13 (7.2%) | DART injury rate measures the number of OSHA defined recordable injuries that resulted in days away from work, work restrictions, or job duty/position transfers in the calendar year per 100 employees. | DART reflects serious incidents that result in the employee being placed in restricted duty or time away from work. |

| Performance Measure | Percentage Included in the Corporate Performance Factor | Threshold Performance (Weighting) | Target Performance (Weighting) | Maximum Performance (Weighting) | Actual Performance (Percentage Earned) | How We Calculate the Performance Measure | Why We Use this Measure |
|--|---|-----------------------------------|--------------------------------|---------------------------------|--|---|---|
| Environmental Leadership | 10.0% | 15x (0.0%) | 20x (10.0%) | 25x (15.0%) | 11x (0.0%) | Environmental leadership is determined by comparing our performance to the EPA national drinking water industry average, and assessing how many times better we perform compared to the industry average. | We are committed to excellent water quality, protecting the environment and maintaining our history of materially complying with, and in many cases, surpassing, minimum standards required by applicable laws and regulations. |
| Operational Efficiency Improvement (3) | 10.0% | 35.2% (0.0%) | 34.9% (10.0%) | 34.6% (15.0%) | 35.6% (0.0%) | Based on our 2018 adjusted O&M efficiency ratio, which is the ratio of adjusted regulated O&M expenses to adjusted regulated operating revenues, each for the year ended December 31, 2018. | We want to focus management on improving the overall cost structure of our regulated businesses and improving our return on equity. |

- (1) Adjusted EPS is a non-GAAP measure. See Appendix A for reconciliation and additional information. No APP awards may be earned if 2018 adjusted EPS is less than 90 percent of the target amount.
- (2) This goal may not be earned in the event of an employee fatality during the year.
- (3) Adjusted O&M efficiency ratio is a non-GAAP measure. See Appendix A for a reconciliation of the components used to compute this measure and additional information.

Actual payouts may be lower or higher than the target award opportunity depending, in the case of the NEOs, on corporate and business performance and, in rare instances where significantly warranted, individual performance against specific goals. Cash awards under the APP are distributed to participants by March 15 of the year following the performance year.

While the NEOs are subject to individual performance goals as well as the corporate goals comprising the corporate performance factor, the 2018 APP awards reflect, for all NEOs other than Mr. Lynch, the NEO's target award multiplied by the adjusted corporate performance factor, as outlined below. The Compensation Committee utilized this convention based on Ms. Story's recommendation that NEOs should assume principal responsibility for, and their awards generally should be based upon, performance of the entire organization, except with respect to

executives who lead a major profit center, such as Mr. Lynch, in which case performance of the relevant business unit also should be reflected. Furthermore, in 2018, there were no significant factors that caused the independent Board members, in the case of Ms. Story, and the Compensation Committee, in the case of all other NEOs (based on Ms. Story's recommendations), to apply an upward or downward adjustment based on his or her individual performance.

Based upon our performance with regard to the financial and non-financial performance measures described above, the Compensation Committee certified a corporate performance factor of 98.8 percent. The APP award for each of Mses. Story and Sullivan, and each of Messrs. Sgro and Warnock, was 98.8 percent of target.

With respect to Mr. Lynch, who oversees our regulated operations, 50 percent of his APP award was based on the performance of our regulated operations with respect to the measures shown in the table above. For 2018, this amounted to a performance factor of 92.6 percent of target. When combined with the corporate performance factor of 98.8 percent with respect to the remaining 50 percent of his award,

2018 Long-Term Performance Plan

The LTPP is designed to incentivize eligible participants to achieve our long-term business objectives by providing an opportunity to earn equity awards tied to our long-term goals and continued employment with the Company. LTPP awards are generally granted by the Compensation Committee in February of each year and allocated 30 percent to RSUs and 70 percent to PSUs. Stock options are not granted as part of the LTPP. PSU awards for 2018 were allocated equally between shares earned based on total shareholder return relative to the 2018 peer group and shares earned based on compounded adjusted EPS growth.

Generally, our RSU awards vest ratably over a three-year period while a participant remains employed with us. PSU awards generally are earned ratably over a three-year period while employed, and the vesting of each PSU award is determined by the Compensation Committee at the end of the three-year performance period based on the satisfaction of pre-determined performance goals. However, in accordance with his amended employment offer letter, Mr. Warnock's 2018 RSU awards will vest and his PSU awards will be earned in full on January 1, 2021, rather than ratably over the three-year period, subject to a

Mr. Lynch's APP award was ultimately determined to be equal to 95.7 percent of target.

We have included the amount of the APP awards paid to our NEOs with respect to 2018 under the Non-Equity Incentive Plan Compensation column of the 2018 Summary Compensation Table.

determination of performance at the end of the three-year performance period in the case of his PSUs. See "Executive Compensation—Employment and Severance Agreements" on page 54 of this proxy statement.

As with the APP, to reflect changes in federal income tax law from the enactment of the TCJA related to the deductibility of performance-based compensation, in 2018, the Compensation Committee eliminated the threshold requirement to record positive GAAP net income in the relevant fiscal year as well as the use of a 200 percent overall maximum LTPP award funding for each NEO if the threshold requirement was satisfied, subject to the exercise of negative discretion by the Compensation Committee to reduce the payout based on actual performance.

We based the aggregate target value of LTPP awards on a percentage of each NEO's salary. The following table provides a summary of the grant date fair value of LTPP awards granted in 2018 to each NEO. Information regarding the number of shares underlying these awards is found in "Executive Compensation—2018 Grants of Plan-Based Awards" on page 55 of this proxy statement.

| Named Executive Officer | LTPP Target Award as a Percentage of a Base Salary | Aggregate Grant Date Fair Value of LTPP Target Awards | Aggregate Grant Date Fair Value of RSUs | Aggregate Grant Date Fair Value of PSUs (TSR) | Aggregate Grant Date Fair Value of PSUs (EPS) |
|-------------------------|--|---|---|---|---|
| Susan N. Story | 300%(1) | \$ 2,837,113 | \$ 832,491 | \$ 1,033,408 | \$ 971,214 |
| Linda G. Sullivan | 135%(2) | \$ 689,460 | \$ 202,326 | \$ 251,126 | \$ 236,008 |
| Walter J. Lynch | 150%(3) | \$ 873,222 | \$ 256,217 | \$ 318,098 | \$ 298,907 |
| Michael A. Sgro | 115%(4) | \$ 499,746 | \$ 146,634 | \$ 182,039 | \$ 171,073 |
| Lloyd A. Warnock | 100% | \$ 434,575 | \$ 127,521 | \$ 158,305 | \$ 148,749 |

(1) In February 2019, Ms. Story's LTPP target for 2019 as a percentage of base salary was increased to 350 percent.

(2) In December 2018, Ms. Sullivan's LTPP target for 2019 as a percentage of base salary was increased to 155 percent.

- (3) In December 2018, Mr. Lynch's LTPP target for 2019 as a percentage of base salary was increased to 165 percent.
- (4) In December 2018, Mr. Sgro's LTPP target for 2019 as a percentage of base salary was increased to 125 percent.

For 2018, Ms. Story's LTPP award opportunity was increased from 250 percent to 300 percent. This adjustment brought her total direct compensation within the competitive range of the median of the benchmarking data, and reflected the Compensation Committee's recognition of her strong and sustained performance in her role as President and CEO.

Ms. Sullivan's 2018 LTPP award opportunity was increased from 125 percent to 135 percent. The Compensation Committee awarded this increase to keep her total direct compensation within the competitive range of the median of the benchmarking data.

Mr. Sgro's 2018 LTPP award opportunity was increased from 100 percent to 115 percent. The Compensation Committee awarded this increase to keep his total direct compensation within the competitive range of the median of our compensation peer group and at the median of the market data.

For 2018, Mr. Warnock's LTPP award opportunity was increased from 90 percent to 100 percent. The Compensation Committee adjusted Mr. Warnock's award opportunity to reflect his expanded role in business development efforts, in addition to his leadership and management of the government affairs and communications functions.

The following table provides information regarding the performance measures related to the PSUs granted in 2018.

| Performance Measure | Threshold Performance (Weighting) | Target Performance (Weighting) | Maximum Performance (Weighting) | How We Calculate the Performance Measure | Why We Use this Performance Measure |
|--|-----------------------------------|--------------------------------|---------------------------------|---|---|
| Relative Total Shareholder Return | 25% (25%) | 50% (100%) | 90% (200%) | Based on American Water's total shareholder return compared to the total shareholder return performance of the companies in the 2018 peer group, during the three-year performance period from January 1, 2018 through December 31, 2020, assuming reinvestment of dividends during the performance period. | To encourage performance that not only increases shareholder value, but increases it to an extent that compares favorably relative to the companies in the 2018 peer group. |
| Compounded Adjusted EPS Growth | 6.00% (25%) | 7.84% (100%) | 12.00% (200%) | Based on adjusted EPS growth, compounded annually over the three-year period from January 1, 2018 through December 31, 2020, over adjusted EPS of \$3.03 for the year ended December 31, 2017. Adjusted EPS is a non-GAAP measure. See Appendix A for a reconciliation and additional information. | Adjusted EPS is a key measure of our financial and operational success, and achieving our earnings and strategic goals creates long-term shareholder value and provides greater total return to our shareholders. |

Performance Vesting of PSUs Granted in 2016

In 2016, we granted two types of PSUs to our NEOs for the performance period ending in 2018: one with a performance measure based on relative total shareholder return of companies in our 2016 peer group, and the other with a performance measure based on compounded adjusted EPS growth, weighted equally. The payouts with respect to the two types of PSUs are summarized in the table below:

| Performance Measure | Threshold Performance (Weighting) | Target Performance (Weighting) | Maximum Performance (Weighting) | Actual Performance | Percentage of Target Award Earned |
|-----------------------------------|-----------------------------------|--------------------------------|---------------------------------|--------------------|-----------------------------------|
| Relative Total Shareholder Return | 25% (25%) | 50% (100%) | 75% or more (200%) | 89% | 197.00% |
| Compounded Adjusted EPS Growth | 5.0% (25%) | 7.0% (100%) | 10.0% (175%) | 7.72% | 96.67% |

The Compensation Committee certified the achievement of the requisite PSU performance measures on January 23, 2019.

Perquisites and Other Benefits

We provide limited perquisites to our executive officers, consisting principally of executive physicals. Because we invest significant time and resources in developing the skills and experiences of our leadership, we believe that providing executives with periodic physicals, which can potentially detect medical conditions before they become serious, is an important investment in our current and future success.

Our NEOs are eligible for benefits that are generally available to all other salaried, non-union employees, including participation in our qualified 401(k) savings plan with an employer matching contribution (and, for participants hired or rehired after January 1, 2006, 5.25 percent defined contribution account employer contributions), medical insurance coverage, term life insurance coverage, and short-term and long-term disability insurance coverage.

Stock Option Grant Practices

Beginning in 2017, the Compensation Committee discontinued the practice of granting stock options as part of the LTPP, and no stock options were granted in 2018. The Compensation Committee reserves the

right to grant stock options on a case-by-case basis as part of new hires or promotional awards, or to reinstate the use of stock options in the future in its sole discretion.

Executive Stock Ownership Guidelines and Stock Retention Requirements

The Board has adopted stock ownership guidelines and complementary stock retention requirements that further emphasize the importance of linking the financial interests of our executives with those of our shareholders. The stock ownership guidelines, which are expressed as a multiple of annual base salary, require executives to hold common stock (including certain equivalents) as follows:

| Officer Level | Multiple of Annual Base Salary |
|---|--------------------------------|
| Chief Executive Officer | 6 times |
| Chief Operating Officer | 3 times |
| Executive Vice Presidents | 3 times |
| Senior Vice Presidents | 3 times |
| President, Homeowner Services Group | 1 time |
| President, Military Services Group | 1 time |
| Vice Presidents and State Utility President Equivalents | 1 time |

For purposes of the stock ownership guidelines, shares of common stock, shares underlying vested and unvested RSUs and shares underlying earned PSUs will count toward the ownership guidelines. Shares underlying vested or unvested stock options and unearned PSUs do not count.

Our stock retention requirements prevent, subject to hardship exceptions and an exemption for transactions pursuant to an approved Rule 10b5-1 plan, as described below, any executive who is not in compliance with the stock ownership guidelines from effecting a transfer of more than 50 percent of the net shares realized from any equity award or more than 50 percent of any other shares of common stock that the executive may own other than through equity awards. For an award of RSUs or PSUs, the number of net shares realized from an award is based on the number of shares ultimately credited to the account of the executive upon vesting. For an option award, the number of net shares realized is equal to the number of vested shares subject to that award minus a number of shares with a fair market value equal to the aggregate exercise price of those vested shares. Equity awards that are issued to an executive before he or she becomes subject to the stock retention requirements are exempt from these restrictions.

Each executive covered by the stock ownership guidelines on March 4, 2015, the effective date of

adoption, including each NEO, has until March 4, 2020 to achieve compliance. Upon first becoming subject to the stock ownership guidelines thereafter, an executive will have five years to comply. As of March 15, 2019, all of our NEOs were in compliance with the applicable stock ownership guidelines.

In July 2018, the Compensation Committee made clarifying changes to the stock ownership guidelines and the stock retention requirements. The Compensation Committee clarified that the five-year compliance period resets when an executive moves up a compliance level. The stock retention requirements were also amended to clarify the express intention that awards granted on or after the date of a promotion would be subject to those requirements, and that awards granted prior to an executive being subject to our pre-2015 stock retention requirements would also continue to be exempt from the current stock retention requirements.

On March 22, 2019, the Board approved changes to the executive stock retention requirements to permit executives to sell shares under an approved Rule 10b5-1 plan. A Rule 10b5-1 plan will be approved only if, among other things, the executive is then in compliance with the stock ownership guidelines and the plan includes a number of shares that could be sold without causing the executive to no longer comply with these guidelines.

Policies Prohibiting Hedging, Pledging, Margining and Short Selling

Our insider trading policy, as currently in effect, prohibits all directors, officers (including NEOs) and employees from engaging in any transaction entered into for the purpose of reducing or eliminating the market price or investment risk associated with the ownership of our securities. These types of transactions are commonly known as “hedging.” No covered person may enter into any transaction to buy or sell any contract or other instrument that derives value from the price of our securities.

Also, our insider trading policy prohibits our directors, officers and employees from pledging our securities to a lender as collateral for a loan, or from using them in

a margin account as collateral for investment in securities.

These prohibitions do not apply to the receipt of securities under any of our equity compensation plans or “cashless” exercises of our options in compliance with the 2017 Omnibus Plan or its predecessor plan.

We also prohibit directors, officers and employees from selling our securities short, which is the practice of selling securities that are not owned by the seller. This prohibition includes “short sales against the box,” where the seller actually owns the securities being sold but fails to deliver them to the purchaser within a specified time period after the sale.

Ongoing and Post-Employment Arrangements and Benefit Plans

We have several plans and arrangements that enable our NEOs to accrue retirement benefits as they continue to work for us, provide severance benefits upon certain types of termination of employment, or provide other forms of deferred compensation. Not all

of these plans apply to each NEO, as indicated in the discussion below. None of our executives participating in any of these plans is entitled thereunder to receive excise tax gross-up payments.

American Water Savings Plan

The Savings Plan for Employees of American Water Works Company, Inc. and Designated Subsidiaries, or the Savings Plan, is a tax-qualified 401(k) defined contribution plan available to employees of American Water, including our NEOs, and certain subsidiaries. Each of our NEOs participates in the Savings Plan, except for Mr. Sgro.

Under the Savings Plan, an employee may contribute, subject to limitations imposed by the Internal Revenue Code of 1986, or the Code, up to 50 percent of his or her base salary plus APP awards (the amount of such contributions are referred to as “basic contributions”), up to a maximum contribution of \$19,000 for 2019, plus, for eligible participants, \$6,000 for catch-up contributions.

For any NEO participant hired before January 1, 2006 who continues to be employed by us (Messrs. Lynch and Sgro are the only NEOs in this category), the matching contribution formula is 50 percent of a participant’s basic contributions to the Savings Plan for the plan year, up to a maximum of five percent of the participant’s base salary.

For NEO participants hired or rehired after January 1, 2006, the matching contribution formula is (a) 100 percent of a participant’s basic contributions to the Savings Plan for the plan year up to the first three percent of the participant’s base salary plus APP awards, and (b) 50 percent of a participant’s basic contributions up to the next two percent of the participant’s base salary plus APP awards contributed to the Savings Plan for the plan year. In addition, for NEO participants hired or rehired after January 1, 2006, we make additional annual contributions equal to 5.25 percent of the participant’s base salary, subject to limitations imposed under the Code. We provide more generous contributions to participants hired after January 1, 2006 because they are ineligible to participate in the defined benefit pension plans described below.

Amounts credited to an employee’s account may be invested among a number of funds, and the value of a participant’s account will increase or decrease to reflect the performance of selected investments.

Pension Plan and Executive Retirement Plan

The Pension Plan for Employees of American Water Works Company, Inc. and its Designated Subsidiaries, or the AWWPP, is a tax-qualified defined benefit pension plan that is generally available to eligible employees who commenced employment with us prior to January 1, 2006. The AWWPP provides an annual retirement benefit based on an employee’s earnings and years of service. For executives hired prior to July 1, 2001, a grandfathered benefit is provided. Each of Messrs. Lynch and Sgro participates in the AWWPP.

The American Water Works Company, Inc. Executive Retirement Plan, or the ERP, is a nonqualified defined

benefit pension plan that provides pension benefits under the same formula as the AWWPP, but without the pay and benefit limitations that are applicable to the AWWPP under the Code. The ERP also provides a minimum benefit in accordance with provisions of former executive retirement plans. Each of Messrs. Lynch and Sgro participates in the ERP. We closed the AWWPP (subject to certain exceptions) and the ERP to new employees on December 31, 2005 and replaced those plans with defined contribution plans. This action was taken for a number of reasons, including to allow us to incur fixed costs for retirement benefits on an ongoing basis. In contrast, we are subject to variable costs in connection with our

defined benefit plans based on the performance of the plans' investment portfolios. For further information on these plans, see "Executive Compensation—Pension Benefits at December 31, 2018" and "Executive

Nonqualified Deferred Compensation Plan

The Nonqualified Savings and Deferred Compensation Plan for Employees of American Water Works Company, Inc. and its Designated Subsidiaries, or the Employee Deferred Compensation Plan, enables participants to defer base salary and APP awards and provides benefits in excess of the maximum benefits that may be provided under the Savings Plan as a result of limits imposed by the Code. We refer to compensation in excess of those limits as "excess compensation." All of the NEOs, except for Mr. Sgro, participate in the Employee Deferred Compensation Plan.

Generally, under the Employee Deferred Compensation Plan, a participant may elect to defer up to 20 percent of salary and up to 100 percent of the award paid under the APP. We provide matching contributions that differ depending on whether the participant was hired by us on or after January 1, 2006. For participants hired after January 1, 2006 (Mses. Story and Sullivan, and Mr. Warnock), we provide the matching contribution we would have made for the participant under the Savings Plan with respect to the participant's excess compensation if the excess compensation had been taken into

Executive Severance Policy

Under our Executive Severance Policy, adopted in 2008, we provide severance benefits to our NEOs. Our policy is designed to provide a clear statement of the rights of our executive officers if they are involuntarily terminated without cause. Among other things, the policy provides for 18 months and 12 months of salary continuation for our CEO and each

Terms of Outstanding Equity Grants

2007 Omnibus Equity Compensation Plan

The unvested portion of outstanding stock options granted to our NEOs under our predecessor equity plan, the 2007 Omnibus Equity Compensation Plan, or the 2007 Omnibus Plan, will fully vest if a participant's employment with us terminates on account of:

Compensation—Description of Pension and Other Retirement Plans" beginning on page 58 of this proxy statement.

account under the Savings Plan. In addition, we make a defined contribution for the account of each of these participants generally equal to 5.25 percent of the sum of base salary that constitutes excess compensation and the award payable under the APP for the relevant plan year.

For each of Messrs. Lynch and Sgro, who was hired prior to January 1, 2006, our matching contribution is equal to 50 percent of salary deferrals up to a maximum of five percent of base salary; our contributions are more limited for each of Messrs. Lynch and Sgro due to his eligibility to participate in the AWWPP.

Each participant may allocate amounts credited to his or her account among several notional investments, and the value of the account will be increased or decreased to reflect deemed returns under the selected notional investments. The participant may elect to receive payment of deferred amounts in a lump sum or in annual installments, on or beginning at separation from service or a specified distribution date. See "Executive Compensation—2018 Nonqualified Deferred Compensation" on page 60 of this proxy statement for additional information.

of the other NEOs, respectively, and a pro rata APP award for the year in which the termination date occurs to the extent a payment is earned under the terms of the APP. See "Executive Compensation—Potential Payments on Termination or Change in Control" beginning on page 61 of this proxy statement for further information.

- total disability, as determined by the Social Security Administration; or
- normal retirement, defined as attaining age 62 and ten years of service.

2017 Omnibus Plan

Acknowledging that executives serving in our CEO, CFO and COO positions consistently make decisions that are both in our short- and long-term interests, on February 14, 2018, the Compensation Committee approved the granting of long-term equity awards under the 2017 Omnibus Plan to persons serving in these roles to provide for continued vesting after retirement under certain circumstances as discussed in more detail below. This action applies to awards granted on and after February 14, 2018 to persons serving in these roles and does not impact the terms of any prior equity award.

Except as contemplated in these circumstances, we do not provide for continued vesting of long-term equity awards granted under the 2017 Omnibus Plan on account of retirement. For an executive serving in the CEO, CFO or COO role with at least three years of consecutive service in one or more of these positions, an equity award will continue to vest over the normal vesting schedule following a separation of service based upon either normal retirement or early retirement, as follows:

- in the event of a normal retirement, defined as having attained age 60 and five years of service, 100 percent of the award will continue to vest; and
- in the event of an early retirement, defined as having attained age 55 and five years of service, 75 percent of the award will continue to vest.

Change in Control Provisions in Equity Plans

Most of our compensation plans and policies do not contain change in control provisions affecting the compensation of our NEOs. However, under the terms of award agreements for awards granted under the 2007 Omnibus Plan, these equity awards generally would vest upon a change in control of American Water.

Upon a change of control in which American Water is not the surviving entity, the 2017 Omnibus Plan requires all unexercised options and other grants of awards thereunder to be assumed by or converted to similar awards of the acquirer company. The vesting

In connection with the foregoing, PSUs will continue to vest and shall be paid at the end of the three-year performance period based on actual performance.

Any stock option granted to an executive serving in the CEO, CFO and COO roles will remain exercisable for a period of two years after the retirement date.

In December 2018, the Compensation Committee agreed to amend Mr. Sgro's February 2015 employment offer letter to provide that, if any LTTP awards are ultimately granted by the Compensation Committee to Mr. Sgro in 2020 or 2021, the awards would have vesting provisions as follows:

| LTTP Plan Year | Vesting Requirements |
|----------------|--|
| 2020 | 33 1/3% on January 31, 2021 66 2/3% on January 31, 2022 |
| 2021 | 100% on January 31, 2022 |

Mr. Sgro's PSUs for each plan year will vest in accordance with the schedule set forth above and shall be paid at the end of the three-year performance period based on actual performance.

The Compensation Committee agreed to this amendment to Mr. Sgro's employment offer letter to encourage him to remain with the Company through at least January 31, 2022 for succession planning purposes and given his eligibility to receive fully-vested benefits under the AWWPP.

of such assumed or converted awards will be accelerated only upon the termination of the participant's employment within 12 months after the change in control other than for cause, death or disability. To the extent any such awards are not assumed or converted, option awards will become fully exercisable, all restrictions upon awards will lapse and all stock units will fully vest, upon the change in control. See "Executive Compensation—Potential Payments on Termination or Change in Control—Equity Awards—2017 Omnibus Plan" on page 63 of this proxy statement for further information.

Recovery of Incentive Compensation

In 2010, we instituted a policy governing the recovery of incentive compensation in the event of a material restatement of our financial results under specified circumstances. In addition, the terms of the APP and the 2017 Omnibus Plan specifically require that grants under those plans be subject to this policy. As a result of the enactment of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010, which

requires the SEC to direct stock exchanges to implement an executive compensation “clawback” requirement on public companies, we will amend the policy if and when final implementing rules of the SEC and the NYSE are adopted and are effective to comply with these executive compensation recovery requirements.

Tax and Accounting Considerations

Tax Considerations

Prior to January 1, 2018, under Section 162(m) of the Code, a public company was prohibited from deducting for federal income tax purposes compensation in excess of \$1.0 million paid to that company’s principal executive officer and its three highest compensated executive officers (other than the principal financial officer), except that this prohibition did not generally apply to options or compensation that qualified as “performance-based compensation” as had been defined in regulations adopted under Section 162(m).

Effective January 1, 2018, the TCJA repealed the performance-based compensation exemption from Section 162(m)’s deduction limit, among other changes, such that compensation paid to certain executive officers (including our chief financial officer) in excess of \$1.0 million will not be deductible in future years, unless it qualifies for transition relief applicable to certain performance-based compensation arrangements that were in effect as of November 2, 2017 and are not materially modified thereafter.

For 2018, the payment of shares of common stock upon the vesting of PSUs granted under the 2007 Omnibus Plan, if determined solely by reference to the achievement of performance objectives established in awards granted prior to November 2, 2017, were structured to qualify as “performance-based compensation” under Section 162(m). RSU awards vested in 2018 were not structured to qualify as “performance-based compensation” because the

awards vested on the basis of continued employment, rather than pre-established performance objectives. In addition, awards paid under the APP with respect to 2018 are subject to Section 162(m)’s deduction limit because, while performance-based, the award opportunities were granted after November 2, 2017.

The elimination of the performance-based compensation exemption from Section 162(m)’s deduction limit has not altered the Compensation Committee’s commitment to a pay-for-performance executive compensation program. The Compensation Committee believes that the Section 162(m) related tax deduction is only one of several relevant considerations in setting compensation. The Compensation Committee also believes that the Section 162(m) tax deduction limitation should not be permitted to compromise the Company’s ability to design and maintain executive compensation arrangements that, among other things, are intended to attract, retain and motivate talented, high-performing executives.

Section 409A of the Code provides that amounts deferred under nonqualified deferred compensation plans are includible in an employee’s income when vested unless certain requirements are met. If these requirements are not met, employees may be subject to additional taxes, interest and penalties. Our nonqualified deferred compensation arrangements are intended to satisfy the requirements of Section 409A.

Accounting Considerations

RSU and PSU awards are accounted for based on their grant date fair value, as determined under ASC 718, which is recognized over the service or vesting period applicable to the grant. Forfeitures are

estimated, and the compensation cost of awards will be reversed if the employee does not remain employed by us throughout the service or vesting period.

EXECUTIVE COMPENSATION

2018 Summary Compensation Table

The following table sets forth information regarding the compensation of each of our NEOs for 2018.

| Name and Principal Position | Year | Salary (\$ (1)) | Bonus (\$) | Stock Awards (\$ (2)) | Option Awards (\$ (3)) | Non-Equity Incentive Plan Compensation (\$ (4)) | Change in Pension Value and Nonqualified Deferred Compensation Earnings (\$ (5)) | All Other Compensation (\$ (6)) | Total (\$) |
|--|------|--------------------|---------------|-----------------------------|------------------------------|--|---|---------------------------------------|-------------|
| Susan N. Story | 2018 | \$944,229 | \$ — | \$2,837,113 | \$ — | \$ 938,600 | \$ — | \$ 263,172 | \$4,983,114 |
| President and Chief Executive Officer | 2017 | \$920,984 | \$ — | \$2,250,048 | \$ — | \$ 970,094 | \$ — | \$ 215,949 | \$4,357,075 |
| | 2016 | \$876,923 | \$ — | \$1,440,032 | \$ 359,999 | \$1,188,000 | \$ — | \$ 231,578 | \$4,096,532 |
| Linda G. Sullivan | 2018 | \$510,088 | \$ — | \$ 689,460 | \$ — | \$ 380,325 | \$ — | \$ 130,992 | \$1,710,865 |
| Executive Vice President and Chief Financial Officer | 2017 | \$496,315 | \$ — | \$ 607,018 | \$ — | \$ 392,905 | \$ — | \$ 154,567 | \$1,650,805 |
| | 2016 | \$482,915 | \$ — | \$ 473,776 | \$ 118,449 | \$ 482,979 | \$ — | \$ 161,401 | \$1,719,520 |
| Walter J. Lynch | 2018 | \$581,448 | \$ — | \$ 873,222 | \$ — | \$ 419,930 | \$ 88,951 | \$ 74,567 | \$2,038,118 |
| Executive Vice President and Chief Operating Officer | 2017 | \$568,193 | \$ — | \$ 831,491 | \$ — | \$ 465,365 | \$ 561,565 | \$ 80,113 | \$2,506,727 |
| | 2016 | \$551,146 | \$ — | \$ 648,884 | \$ 162,226 | \$ 576,366 | \$ 373,563 | \$ 84,785 | \$2,396,970 |
| Michael A. Sgro | 2018 | \$434,158 | \$ — | \$ 499,746 | \$ — | \$ 323,743 | \$ 487,102 | \$ 27,010 | \$1,771,759 |
| Executive Vice President, General Counsel and Secretary | 2017 | \$407,561 | \$ — | \$ 399,800 | \$ — | \$ 322,289 | \$ 915,642 | \$ 12,774 | \$2,058,066 |
| | 2016 | \$396,985 | \$ — | \$ 312,005 | \$ 77,999 | \$ 344,545 | \$ 788,407 | \$ 12,185 | \$1,932,126 |
| Loyd A. Warnock | 2018 | \$431,534 | \$ — | \$ 434,575 | \$ — | \$ 214,149 | \$ — | \$ 85,733 | \$1,165,991 |
| Senior Vice President, External Affairs and Business Development (7) | 2017 | \$384,479 | \$25,000 | \$ 341,406 | \$ — | \$ 201,884 | \$ — | \$ 100,592 | \$1,053,361 |
| | 2016 | \$377,188 | \$ — | \$ 266,467 | \$ 66,612 | \$ 251,489 | \$ — | \$ 54,559 | \$1,016,315 |

- (1) In 2018, the following NEOs deferred a portion of their base salary under the Employee Deferred Compensation Plan: Ms. Sullivan—\$51,009; Mr. Lynch—\$58,144; and Mr. Warnock—\$21,577.
- (2) The amounts shown in this column reflect the aggregate grant date fair value of PSUs and RSUs granted to the NEOs. The grant date fair value of PSUs and RSUs granted in 2018 is as follows:

| Name | PSUs | RSUs |
|--------------------------|--------------|------------|
| Susan N. Story | \$ 2,004,622 | \$ 832,491 |
| Linda G. Sullivan | \$ 487,134 | \$ 202,326 |
| Walter J. Lynch | \$ 617,005 | \$ 256,217 |
| Michael A. Sgro | \$ 353,112 | \$ 146,634 |
| Loyd A. Warnock | \$ 307,054 | \$ 127,521 |

With respect to the PSUs, the amounts disclosed in the table above represent the grant date fair value based upon the target outcome of the performance conditions, determined at the grant date in accordance with ASC 718. See Note 10—Stock Based Compensation in the Notes to Consolidated Financial Statements in the 2018 Form 10-K for the assumptions that were made in determining grant date fair values of the PSU and RSU awards.

The following table shows the fair value of the PSU awards at the grant date, assuming the highest level of performance was achieved:

| Name | Grant Date Fair Value | | |
|--------------------------|-----------------------|--------------|--------------|
| | 2018 | 2017 | 2016 |
| Susan N. Story | \$ 4,009,244 | \$ 3,150,052 | \$ 2,160,066 |
| Linda G. Sullivan | \$ 974,268 | \$ 849,840 | \$ 710,668 |
| Walter J. Lynch | \$ 1,234,010 | \$ 1,164,088 | \$ 973,320 |
| Michael A. Sgro | \$ 706,224 | \$ 599,764 | \$ 468,042 |
| Loyd A. Warnock | \$ 614,108 | \$ 477,924 | \$ 399,768 |

- (3) In December 2016, the Compensation Committee approved a change to the LTPP to eliminate the issuance of stock options. The amounts shown in this column for fiscal year 2016 reflect the grant date fair value of stock options granted to each of the NEOs, determined in accordance with ASC 718. See Note 10—Stock Based Compensation in Notes to the Consolidated Financial Statements in the 2018 Form 10-K for the assumptions that were made in determining grant date fair values of the stock options.
- (4) The amounts shown in this column constitute payments under the APP with respect to each performance year, which are generally paid in March of the next calendar year. The following NEOs deferred a portion of their APP payment with respect to 2018 under the Employee Deferred Compensation Plan: Ms. Story—\$938,600; Ms. Sullivan—\$38,032; Mr. Lynch—\$125,979; and Mr. Warnock—\$10,707.
- (5) The amounts shown in this column reflect the aggregate changes in the actuarial present values of accumulated benefits under our defined benefit pension plans. For further information on these pension plans, see “—Pension Benefits at December 31, 2018.” None of the NEOs received “above-market” or “preferential” earnings (as defined by SEC regulation) under the Employee Deferred Compensation Plan.
- (6) The totals shown in this column for 2018 consist of:

| Name | Savings Plan Company Match | Savings Plan Company Defined Contribution Account (a) | Company Contributions to Employee Deferred Compensation Plan (b) | Executive Physical | Dividend Equivalents (c) | Company-Paid Life Insurance | Total All Other Compensation |
|--------------------------|----------------------------|---|--|--------------------|--------------------------|-----------------------------|------------------------------|
| Susan N. Story | \$ 11,000 | \$ 14,438 | \$ 121,955 | \$ 3,345 | \$ 111,964 | \$ 470 | \$ 263,172 |
| Linda G. Sullivan | \$ 11,000 | \$ 14,438 | \$ 56,926 | \$ 3,345 | \$ 44,813 | \$ 470 | \$ 130,992 |
| Walter J. Lynch | \$ 2,464 | \$ — | \$ 7,661 | \$ 2,595 | \$ 61,377 | \$ 470 | \$ 74,567 |
| Michael A. Sgro | \$ — | \$ — | \$ — | \$ — | \$ 26,540 | \$ 470 | \$ 27,010 |
| Loyd A. Warnock | \$ 10,777 | \$ 14,438 | \$ 34,288 | \$ 509 | \$ 25,251 | \$ 470 | \$ 85,733 |

- (a) The Defined Contribution Account is an account in the Savings Plan to which American Water contributes 5.25 percent of each eligible employee’s total cash compensation (which includes annual base salary and APP payouts), subject to Code limits on compensation that may be taken into account. Generally, only employees hired on or after January 1, 2006 are eligible for this contribution.
- (b) The amounts in this column represent matching contributions with respect to 2018 made by the Company to the NEOs’ accounts in the Employee Deferred Compensation Plan. These contributions are

generally paid in the second quarter of the next calendar year. For further information on this plan, see “—2018 Nonqualified Deferred Compensation”.

- (c) Dividend equivalents are paid in cash with respect to PSUs and RSUs at such time, if ever, as the PSUs or RSUs are converted to common stock. Amounts in this column reflect PSU and RSU dividend equivalents that were paid out in 2018.
- (7) Mr. Warnock served as our Senior Vice President, External Affairs, Communications and Public Policy from April 28, 2014 until he became our Senior Vice President, External Affairs and Business Development on August 1, 2017.

Comparison of Key Elements of Total Compensation

The table below provides a comparison of the key elements of total compensation for 2018 for each NEO, including the percentage of salary and bonus compared to total compensation. This section uses information contained in the 2018 Summary Compensation Table.

| Name | Percentage of Total Compensation | | | |
|--------------------------|----------------------------------|------------------------|-------------------------|-------|
| | Total Salary and Bonus | Incentive Compensation | Change in Pension Value | Other |
| Susan N. Story | 18.9% | 75.8% | — | 5.3% |
| Linda G. Sullivan | 29.8% | 62.5% | — | 7.7% |
| Walter J. Lynch | 28.5% | 63.4% | 4.4% | 3.7% |
| Michael A. Sgro | 24.5% | 46.5% | 27.5% | 1.5% |
| Loyd A. Warnock | 37.0% | 55.6% | — | 7.4% |

Employment and Severance Agreements

Although we have entered into employment offer letters with Mses. Story and Sullivan and Messrs. Sgro and Warnock that specify the initial form and amount of compensation to be paid to them, we do not have customary employment agreements for a fixed term that would require us to pay a named executive officer a specified amount of compensation over the term of his or her employment. Except as may be provided under our Executive Severance Policy, our long-term equity awards granted on and after February 14, 2018 under the 2017 Omnibus Plan to persons serving in the CEO, CFO and COO roles, or the terms of other plans that provide an executive with specified benefits upon the termination of the executive’s employment or upon retirement, we do not have specific agreements that provide named executive officers with post-employment benefits. See “—Potential Payments on Termination or Change in Control” beginning on page 61 of this proxy statement for more information on these benefits.

In connection with the commencement of his employment in April 2014, we entered into an

employment offer letter with Mr. Warnock that provided, among other things, that, if the Compensation Committee grants awards to eligible employees in 2018 or 2019, any such grants made to Mr. Warnock will vest on January 1, 2020. In February 2018, we and Mr. Warnock amended this provision to also include grants made in 2020 and to change the vesting date to January 1, 2021. Furthermore, the employment offer letter provides that Mr. Warnock is entitled to receive severance benefits under the Executive Severance Policy.

In December 2018, the Compensation Committee agreed to amend Mr. Sgro’s February 2015 employment offer letter to provide for accelerated vesting of any LTPP awards that may be granted to him in 2020 or 2021. See “Compensation Discussion and Analysis—Ongoing and Post-Employment Arrangements and Benefit Plans—Terms of Outstanding Equity Grants—2017 Omnibus Plan” on page 49 of this proxy statement for more information.

2018 Grants of Plan-Based Awards

The following table provides certain information regarding plan-based awards granted to our NEOs during the fiscal year ended December 31, 2018:

| | | Estimated Possible Payouts Under Non-Equity Incentive Plan Awards (1) | | Estimated Future Payouts Under Equity Incentive Plan Awards (2) | | | All Other Stock Awards: Number of Shares of Stock or Units (#)(3) | Grant Date Fair Value of Stock Awards (\$)(4) |
|-------------------|------------|---|--------------|---|------------|-------------|---|---|
| Name | Grant Date | Target (\$) | Maximum (\$) | Threshold (#) | Target (#) | Maximum (#) | | |
| Susan N. Story | | | | | | | | |
| APP | 2/13/2018 | \$ 950,000 | \$ 1,900,000 | — | — | — | — | — |
| PSU | 2/14/2018 | — | — | 3,298 | 13,193 | 26,386 | — | \$ 1,033,408 |
| PSU | 2/14/2018 | — | — | 3,100 | 12,399 | 24,798 | — | \$ 971,214 |
| RSU | 2/14/2018 | — | — | — | — | — | 10,628 | \$ 832,491 |
| Linda G. Sullivan | | | | | | | | |
| APP | 2/13/2018 | \$ 384,944 | \$ 769,888 | — | — | — | — | — |
| PSU | 2/14/2018 | — | — | 802 | 3,206 | 6,412 | — | \$ 251,126 |
| PSU | 2/14/2018 | — | — | 753 | 3,013 | 6,026 | — | \$ 236,008 |
| RSU | 2/14/2018 | — | — | — | — | — | 2,583 | \$ 202,326 |
| Walter J. Lynch | | | | | | | | |
| APP | 2/13/2018 | \$ 438,799 | \$ 877,598 | — | — | — | — | — |
| PSU | 2/14/2018 | — | — | 1,015 | 4,061 | 8,122 | — | \$ 318,098 |
| PSU | 2/14/2018 | — | — | 954 | 3,816 | 7,632 | — | \$ 298,907 |
| RSU | 2/14/2018 | — | — | — | — | — | 3,271 | \$ 256,217 |
| Michael A. Sgro | | | | | | | | |
| APP | 2/13/2018 | \$ 327,675 | \$ 655,350 | — | — | — | — | — |
| PSU | 2/14/2018 | — | — | 581 | 2,324 | 4,648 | — | \$ 182,039 |
| PSU | 2/14/2018 | — | — | 546 | 2,184 | 4,368 | — | \$ 171,073 |
| RSU | 2/14/2018 | — | — | — | — | — | 1,872 | \$ 146,634 |
| Lloyd A. Warnock | | | | | | | | |
| APP | 2/13/2018 | \$ 216,750 | \$ 433,500 | — | — | — | — | — |
| PSU | 2/14/2018 | — | — | 505 | 2,021 | 4,042 | — | \$ 158,305 |
| PSU | 2/14/2018 | — | — | 475 | 1,899 | 3,798 | — | \$ 148,749 |
| RSU | 2/14/2018 | — | — | — | — | — | 1,628 | \$ 127,521 |

- (1) These columns present target and maximum APP payout opportunities. The actual payments that were made under the APP for 2018 performance are shown in the 2018 Summary Compensation Table. There is no specified minimum award for participants in the APP, and therefore we did not include a column in the table for the threshold amount of such award. For further information on the APP, see “Compensation Discussion and Analysis—2018 Compensation—2018 Annual Performance Plan” beginning on page 40 of this proxy statement.
- (2) These columns present threshold, target and maximum payout opportunities under the LTPP with respect to our PSUs. For further information on the LTPP, under which the PSUs were granted, see “Compensation Discussion and Analysis—2018 Compensation—2018 Long-Term Performance Plan” beginning on page 43 of this proxy statement.
- (3) This column reflects grants of RSUs. For further information on the LTPP, under which the RSUs were granted, see “Compensation Discussion and Analysis—2018 Compensation—2018 Long-Term Performance Plan” beginning on page 43 of this proxy statement.
- (4) This column represents the grant date fair values of the PSUs and RSUs, determined in accordance with ASC 718. See footnote (2) to the 2018 Summary Compensation Table for additional information.

Outstanding Equity Awards at 2018 Fiscal Year-End

The following table provides information regarding equity awards held by our NEOs at December 31, 2018.

| Name | Grant Date | Option Awards | | | | Stock Awards | | | |
|-------------------|------------|--|---|-------------------------------|------------------------|--|---|---|---|
| | | Number of Securities Underlying Unexercised Options: Exercisable (#) | Number of Securities Underlying Unexercised Options: Unexercisable (#)(1) | Option Exercise Price (\$/sh) | Option Expiration Date | Number of Shares or Units of Stock That Have Not Vested (#)(2) | Market Value of Shares or Units of Stock That Have Not Vested (\$)(3) | Equity Incentive Plan Awards: Number of Shares, Units or Other Rights That Have Not Vested (#)(4) | Equity Incentive Plan Awards: Market or Payout Value of Unearned Shares, Units or Other Rights That Have Not Vested (\$)(3) |
| Susan N. Story | 4/1/2013 | 28,457 | — | \$41.27 | 12/31/2019 | — | \$ — | — | \$ — |
| | 2/20/2014 | 29,944 | — | \$44.06 | 12/31/2020 | — | \$ — | — | \$ — |
| | 5/9/2014 | 14,966 | — | \$46.26 | 12/31/2020 | — | \$ — | — | \$ — |
| | 2/17/2015 | 45,089 | — | \$52.75 | 12/31/2021 | — | \$ — | — | \$ — |
| | 2/16/2016 | 36,418 | 18,210 | \$65.15 | 12/31/2022 | 1,842 | \$167,198 | 15,313 | \$1,389,961 |
| | 2/14/2017 | — | — | — | — | 6,181 | \$561,049 | 21,632 | \$1,963,537 |
| | 2/14/2018 | — | — | — | — | 10,628 | \$964,704 | 25,592 | \$2,322,986 |
| Linda G. Sullivan | 4/28/2014 | 21,780 | — | \$46.45 | 12/31/2020 | — | \$ — | — | \$ — |
| | 2/17/2015 | 18,519 | — | \$52.75 | 12/31/2021 | — | \$ — | — | \$ — |
| | 2/16/2016 | 11,982 | 5,992 | \$65.15 | 12/31/2022 | 606 | \$ 55,007 | 5,038 | \$ 457,299 |
| | 2/14/2017 | — | — | — | — | 1,668 | \$151,404 | 5,836 | \$ 529,734 |
| | 2/14/2018 | — | — | — | — | 2,583 | \$234,459 | 6,219 | \$ 564,499 |
| Walter J. Lynch | 2/20/2014 | 8,545 | — | \$44.06 | 12/31/2020 | — | \$ — | — | \$ — |
| | 2/17/2015 | 25,362 | — | \$52.75 | 12/31/2021 | — | \$ — | — | \$ — |
| | 2/16/2016 | 16,411 | 8,206 | \$65.15 | 12/31/2022 | 830 | \$ 75,339 | 6,900 | \$ 626,313 |
| | 2/14/2017 | — | — | — | — | 2,284 | \$207,319 | 7,994 | \$ 725,615 |
| | 2/14/2018 | — | — | — | — | 3,271 | \$296,909 | 7,877 | \$ 714,995 |
| Michael A. Sgro | 2/17/2015 | 1,931 | — | \$52.75 | 12/31/2021 | — | \$ — | — | \$ — |
| | 2/16/2016 | 803 | 3,946 | \$65.15 | 12/31/2022 | 399 | \$ 36,217 | 3,318 | \$ 301,175 |
| | 2/14/2017 | — | — | — | — | 1,098 | \$ 99,665 | 3,844 | \$ 348,920 |
| | 2/14/2018 | — | — | — | — | 1,872 | \$169,921 | 4,508 | \$ 409,191 |
| Lloyd A. Warnock | 4/28/2014 | 2,594 | — | \$46.45 | 12/31/2020 | — | \$ — | — | \$ — |
| | 2/17/2015 | 2,075 | — | \$52.75 | 12/31/2021 | — | \$ — | — | \$ — |
| | 2/16/2016 | 1,463 | 3,370 | \$65.15 | 12/31/2022 | 341 | \$ 30,953 | 2,834 | \$ 257,242 |
| | 2/14/2017 | — | — | — | — | 938 | \$ 85,142 | 3,282 | \$ 297,907 |
| | 2/14/2018 | — | — | — | — | 1,628 | \$147,774 | 3,920 | \$ 355,818 |
| | | | | | | | | | |

- (1) In December 2016, the Compensation Committee approved a change to the LTPP to eliminate the issuance of stock options. The options granted in 2013 through 2016 vest in equal increments on January 1 of each of the three years next following the year in which the options were granted.

- (2) This column reflects RSUs that are not subject to performance conditions and will vest in equal increments on January 1 of each of the three years following the year in which the RSUs were granted, and subject to continued employment through each vesting date, except that Mr. Warnock's 2018 RSUs will vest on January 1, 2021, subject to continued employment through that date.
- (3) The market value of the RSUs and PSUs is based on the \$90.77 closing price of a share of our common stock on December 31, 2018, as reported by the NYSE.
- (4) This column reflects PSUs that are subject to performance conditions and time-vest in equal increments on January 1 of each of the three years following the year in which the PSUs were granted, subject to continued employment through each such time-vesting date, except that Mr. Warnock's 2018 PSUs will time-vest on January 1, 2021, subject to continued employment through that date. The number of shares disclosed in this column represents the number of shares that would vest if target performance is achieved.

2018 Option Exercises and Stock Vested

The following table provides information regarding the exercise of stock options and vesting of RSUs and PSUs held by our NEOs, each during 2018.

| Name | Option Awards | | Stock Awards | |
|--------------------------|---------------------------------------|----------------------------------|--|----------------------------------|
| | Number of Shares Acquired on Exercise | Value Realized on Exercise \$(1) | Number of Shares Acquired on Vesting (#) | Valued Realized on Vesting \$(2) |
| Susan N. Story | — | \$ — | 27,871 | \$ 2,402,582 |
| Linda G. Sullivan | — | \$ — | 10,860 | \$ 933,071 |
| Walter J. Lynch | 15,000 | \$ 694,500 | 14,875 | \$ 1,278,041 |
| Michael A. Sgro | 16,026 | \$ 357,163 | 6,479 | \$ 557,240 |
| Loyd A. Warnock | 13,390 | \$ 403,130 | 6,119 | \$ 525,730 |

- (1) Based on the difference between the closing price of a share of common stock on the date of exercise and the exercise price of the options.
- (2) Represents the aggregate market value of the shares realized on vesting, calculated by multiplying the vested number of shares by the closing price of a share of common stock on the date the applicable RSUs or PSUs vested (or on the last trading day prior thereto when the vesting occurs on a non-trading day).

Pension Benefits at December 31, 2018

The following table provides certain information regarding pension benefits for each of our NEOs at December 31, 2018.

| Name | Plan Name | Number of Years of Credited Service (#) | Present Value of Accumulated Benefit \$(1) | Payments During Last Fiscal Year (\$) |
|----------------------------|-----------|---|--|---------------------------------------|
| Susan N. Story | N/A (2) | N/A | N/A | N/A |
| Linda G. Sullivan | N/A (2) | N/A | N/A | N/A |
| Walter J. Lynch (3) | ERP | 14 | \$ 1,961,121 | N/A |
| | AWWPP | 14 | \$ 641,559 | N/A |
| Michael A. Sgro (3) | ERP | 25 | \$ 2,529,042 | N/A |
| | AWWPP | 25 | \$ 1,617,570 | N/A |
| Loyd A. Warnock | N/A (2) | N/A | N/A | N/A |

- (1) Amounts shown reflect the present value of the accumulated benefit as of December 31, 2018. All amounts for the AWWPP and the ERP were determined using the same interest and mortality assumptions as those used for financial reporting purposes. The following assumptions were used to calculate pension values at the following measurement dates:
- In 2018, for discounting annuity payments, we used a discount rate of 4.38 percent and mortality table of RP2014 projected using Scale MP2018 generational, and for calculating lump sums, we used an interest rate of 4.38 percent and the IRS Prescribed Table for Lump Sums for 2018.
 - In 2017, for discounting annuity payments, we used a discount rate of 3.75 percent and mortality table of RP2014 projected using Scale MP2017 generational, and for calculating lump sums, we used an interest rate of 3.75 percent and the IRS Prescribed Table for Lump Sums for 2017.
- (2) Since Ms. Story and Sullivan and Mr. Warnock were hired after January 1, 2006, they do not participate in the AWWPP or the ERP.
- (3) Messrs. Lynch and Sgro are eligible for a subsidized early retirement benefit payable in the form of an annuity under the provisions of the AWWPP and the ERP.

For further information on American Water's defined benefit pension plans, see "—Potential Payments on Termination or Change in Control—AWWPP and ERP."

Description of Pension and Other Retirement Plans

AWWPP

The AWWPP is a qualified pension plan that is generally available to eligible employees who commenced employment with us prior to January 1, 2006. The AWWPP generally provides participants hired on or after July 1, 2001 but before January 1, 2006 with a pension benefit equal to 1.6 percent of final average pay multiplied by years of service.

For participants hired prior to July 1, 2001, including Messrs. Lynch and Sgro, the AWWPP provides a

grandfathered benefit. For years of service beginning prior to July 1, 2001, the grandfathered benefit is calculated to be:

- 1.85 percent of the final average pay up to the Social Security average wage base multiplied by years of service (up to a maximum of 25), plus
- 2.1 percent of final average pay in excess of the Social Security average wage base multiplied by years of service (up to a maximum of 25), plus

- 0.7 percent of final average pay multiplied by years of service in excess of 25.

For years of service beginning July 1, 2001 or later, the grandfathered benefit is calculated to be:

- 1.6 percent of final average pay up to the Social Security average wage base multiplied by years of service (up to a maximum of 25), plus
- 2.1 percent of final average pay in excess of the Social Security average wage base multiplied by years of service (up to a maximum of 25), plus
- 1.6 percent of final average pay multiplied by years of service in excess of 25.

Final average pay is defined for purposes of the plan as the average sum of base pay plus APP for the highest 60 consecutive months out of the final 120 months of employment. Normal retirement is defined as age 65, and early retirement eligibility is satisfied when an employee's age is at least 55 and the employee has attained a service requirement that varies based on whether the employee is in a

ERP

The ERP is a nonqualified defined benefit pension plan that is available to eligible employees who commenced employment with us prior to January 1, 2006. The ERP provides benefits under a restoration formula that mirrors the benefit formulas under the AWWPP, but without the pay and benefit payment limitations that are applicable to the AWWPP under the Code and including deferred compensation in calculating final average pay. The ERP also provides a minimum benefit in accordance with provisions of former executive retirement plans. Messrs. Lynch and Sgro participate in this nonqualified pension plan and are entitled to the greater of the benefits determined pursuant to the restoration formula under the ERP and the benefits determined pursuant to their prior

grandfathered group and, if so, the location of such group. Benefits vest in the AWWPP upon completion of five years of service.

Messrs. Lynch and Sgro are vested in their pension benefits. The normal form of payment is a single life annuity for single participants and a 50 percent joint and survivor annuity for married participants. The 50 percent joint and survivor annuity benefit amount is determined to be actuarially equivalent to the single life annuity amount. Effective on January 1, 2019, participants, including Messrs. Lynch and Sgro, may opt to receive a lump sum payment at retirement.

The plan provisions include a reduction in benefits for early retirement for participants other than those who retire at age 62 or older with specified service levels, such as 20 years of service for someone who is age 62. As of January 1, 2019, the plan provides that non-NEO participants will receive a benefit that is guaranteed to be not less than their age 62 early retirement benefit, regardless of changes in compensation or status.

nonqualified plan formulas. Messrs. Lynch and Sgro are vested in this nonqualified pension benefit. Upon retirement, nonqualified plan benefits are payable as a lump sum unless the participant has elected an alternate form of payment pursuant to regulations under Section 409A of the Code. Each of Messrs. Lynch and Sgro will receive his benefits as an annuity. Upon voluntary termination of employment prior to eligibility for early or normal retirement, nonqualified benefits are payable as deferred (to age 65) annuities or lump sum equivalents of such deferred annuities. All nonqualified plan lump sums are calculated as the present value of deferred or immediate single life annuities.

2018 Nonqualified Deferred Compensation

The following table provides certain information regarding the nonqualified deferred compensation benefits of each of our NEOs for 2018.

| Name | Executive Contributions in Last Fiscal Year \$(1) | Registrant Contributions in Last Fiscal Year \$(2) | Aggregate Earnings in Last Fiscal Year (\$) | Aggregate Withdrawals/ Distributions in Last Fiscal Year (\$) | Aggregate Balance at Last Fiscal Year-End \$(3) |
|--------------------------|---|--|---|---|---|
| Susan N. Story | \$ 938,600 | \$ 121,955 | \$ (174,212) | \$ — | \$ 5,357,798 |
| Linda G. Sullivan | \$ 89,041 | \$ 56,926 | \$ (15,548) | \$ — | \$ 445,943 |
| Walter J. Lynch | \$ 184,124 | \$ 7,661 | \$ (77,980) | \$ (26,675) | \$ 1,272,399 |
| Michael A. Sgro | \$ — | \$ — | \$ — | \$ — | \$ — |
| Loyd A. Warnock | \$ 32,284 | \$ 34,288 | \$ (11,337) | \$ — | \$ 212,481 |

- (1) The following amounts in this column are also reported as compensation to the NEOs in the 2018 Summary Compensation Table in the columns indicated:

| Name | Salary | Non-Equity Incentive Plan Compensation |
|--------------------------|-----------|--|
| Susan N. Story | \$ — | \$ 938,600 |
| Linda G. Sullivan | \$ 51,009 | \$ 38,032 |
| Walter J. Lynch | \$ 58,144 | \$ 125,979 |
| Michael A. Sgro | \$ — | \$ — |
| Loyd A. Warnock | \$ 21,577 | \$ 10,707 |

- (2) The amounts in this column are also reported as compensation to the NEOs in the 2018 Summary Compensation Table in the “All Other Compensation” column.
- (3) The following amounts were reported in the Summary Compensation Table in previous years as compensation to the listed NEOs: Ms. Story—\$3,588,667; Ms. Sullivan—\$261,177; Mr. Lynch—\$904,087; and Mr. Warnock—\$143,554.

Description of the Employee Deferred Compensation Plan

For our NEOs, the Employee Deferred Compensation Plan permits the deferral of up to 20 percent of a participant’s base salary and up to 100 percent of a participant’s bonus each year on a tax-advantaged basis. It also provides for annual matching contributions determined by the following formula for our NEOs hired on or after January 1, 2006, namely Mses. Story and Sullivan, and Mr. Warnock:

- the sum of:
 - 100 percent of a participant’s voluntary deferrals for the year, up to a maximum of

three percent of the sum of the participant’s base salary and bonus; and

- 50 percent of a participant’s voluntary deferrals for the year, up to a maximum of the next two percent of the sum of the participant’s base salary and bonus, less
- the maximum amount of matching contributions that the participant is eligible to receive under the Savings Plan for the year.

In addition, we make annual contributions for our named executive officers hired on or after January 1, 2006, equal to the sum of:

- 5.25 percent of the NEO's base salary in excess of the dollar limitation in effect under Section 401(a)(17) of the Code with respect to the year; and
- 5.25 percent of the NEO's bonus.

For our NEOs hired before January 1, 2006, namely Messrs. Lynch and Sgro, the matching contribution formula is:

- 50 percent of a participant's base salary deferrals for the year, up to a maximum of five percent of the participant's base salary, less
- the maximum amount of matching contributions that the participant is eligible to receive under the Savings Plan for the year.

NEOs hired before January 1, 2006 are not eligible to receive the 5.25 percent annual contributions described above. A participant's deferred compensation accounts are credited with returns in accordance with the deemed investment options, consistent with those offered under the Savings Plan,

as elected by the participant from time to time at the participant's discretion. For 2018, these deemed investment options experienced annual rates of returns of between (17.29) percent and 1.78 percent.

Participants are immediately vested in all contributions to the Employee Deferred Compensation Plan, except for the 5.25 percent annual contributions, which vest, unless otherwise determined by the Compensation Committee, at the earliest of:

- completion of five years of service;
- attainment of age 65;
- death; or
- a change in control.

Participants may elect to receive their account balances at any of the following times:

- a separation from service; or
- a specified distribution date.

Participants may elect to take a distribution of their accounts in the form of a lump sum or in annual installments paid over a period of between two and 10 years.

Potential Payments on Termination or Change in Control

This section describes the plans and arrangements that provide for payments to the named executive officers in connection with the termination of the executive's employment, a change in control of American Water or a change in the executive's responsibilities.

Executive Severance Policy

Our Executive Severance Policy provides severance benefits to executives whose employment are involuntarily terminated by American Water for reasons other than cause.

The determination of whether an executive's employment is terminated for cause will be made at the sole discretion of the Board. Under the policy, our CEO will receive 18 months, and other NEOs will receive 12 months, base salary in the form of base salary continuation and a pro rata APP award for the year in which the termination occurs to the extent a payment is earned under the terms of the APP.

Eligible executives are entitled to continued health, dental and vision coverage based on their years of service, in the amount of: eight weeks of coverage for

less than five years of service; 12 weeks of coverage for at least five years but less than 10 years of service; and 16 weeks of coverage for 10 or more years of service. They are also entitled to life insurance coverage and continued participation in the employee assistance plan for the number of months of their severance benefits, as well as 12 months of outplacement services. Executives also receive credit for their severance period for purposes of vesting under the ERP. In order to receive severance benefits under the Executive Severance Policy, an executive must sign a release and waiver of any claims against American Water and agree to certain restrictive covenants. Severance benefits payable under the Executive Severance Policy will be offset and reduced by any other severance benefits payable under any employment agreement or otherwise.

Employee Deferred Compensation Plan

A summary of the terms of the Employee Deferred Compensation Plan is provided above under “—Description of the Employee Deferred Compensation Plan.” This section describes the payments that would be made under that plan upon various types of termination. NEOs are immediately vested in all their contributions to the Employee Deferred Compensation Plan, and unless otherwise determined by the Compensation Committee, become vested in our 5.25 percent annual contributions upon completion of five years of service, attainment of age 65, a change of control or death. A participant who is terminated for other than cause will receive the participant’s vested portion of his or her account balance.

AWWPP and ERP

Our retirement plans are described above under “—Pension Benefits at December 31, 2018.” This section describes the payments that would be made under the retirement plans upon various types of termination of employment.

Voluntary and involuntary terminations of employment—Each of Messrs. Lynch and Sgro would have been entitled to benefits from the AWWPP and the ERP upon voluntary or involuntary termination of employment at December 31, 2018. Mr. Lynch’s annual AWWPP benefit, payable as a 50 percent joint and survivor annuity beginning at age 57, is \$29,647. Mr. Lynch would also receive an annual ERP benefit of \$82,656 as of December 31, 2018. Mr. Sgro’s annual AWWPP benefit, payable as a 50 percent joint and survivor annuity beginning at age 61, is \$105,348 as of December 31, 2018. Mr. Sgro would also receive an annual ERP benefit of \$156,487 as of December 31, 2018.

Retirement—At December 31, 2018, Messrs. Lynch and Sgro were eligible for early retirement benefits under the AWWPP and the ERP as described in the previous section.

Disability—Benefits payable upon a termination of employment as a result of a disability are determined under the AWWPP and the ERP in the same manner

Upon a termination for cause, all employer contributions to this plan would be forfeited by the participant, but the participant would still be entitled to his or her elective deferrals and related income. Payments of vested amounts will be made at the time and in the form elected by the participant, except that a lump-sum distribution of vested amounts will be paid upon death. The tables below under “—Quantification of Potential Payments on Termination or Change in Control” in this section reflect the amounts each named executive officer would have been entitled to receive given a termination on December 31, 2018.

as benefits payable upon early retirement, except that disability benefits are payable immediately and without reduction for early commencement. AWWPP benefits are payable as annuities; ERP disability benefits are payable as lump sums unless the participant has elected an alternate form of payment. Messrs. Lynch and Sgro, each of whom has completed the required 10 years of service, qualify for disability benefits.

Death—If either of Messrs. Lynch or Sgro had died on December 31, 2018, his surviving spouse or named beneficiary would have received benefits under the AWWPP and the ERP calculated as if he had immediately elected a 100 percent joint and survivor annuity. The benefit under the AWWPP would have been equivalent to that payable to him as an immediate annuity based on his current age early retirement factor, in the form of a 100 percent joint and survivor factor based on his and his survivors’ current age. The benefit under the ERP would have been paid as the immediate lump-sum equivalent of an annuity determined in the same manner as under the AWWPP.

For purposes of reporting these benefits in the termination tables below, we assumed that Messrs. Lynch and Sgro are married and used their spouses’ actual ages.

Equity Awards

2017 Omnibus Plan

In the event of a change of control in which American Water is not the surviving entity, the 2017 Omnibus Plan requires that all unexercised options and other grants of awards thereunder be assumed by or converted to similar options or awards of the acquirer company. To the extent any such options or awards are not assumed or converted, then all such options become fully exercisable, all restrictions upon awards will lapse and all stock units will fully vest, upon the change of control.

If a grant is assumed in connection with a change of control, and if, within the 12-month period following the occurrence of such change of control, the participant ceases to be employed by, or providing service to, the surviving corporation (or a parent or subsidiary of the surviving corporation) on account of:

- a termination of such participant's employment by the surviving corporation (or a parent or subsidiary of the surviving corporation) for any reason other than due to cause (as defined in the 2017 Omnibus Plan), death or disability (as defined in the 2017 Omnibus Plan), or
- a termination of employment or service by the participant for good reason (as defined in the 2017 Omnibus Plan),

then as of the date of such termination of employment or service:

- all awards will be accelerated;
- all restrictions and conditions upon awards will lapse; and
- all stock units will be fully vested.

2007 Omnibus Plan

Vesting of our stock options, PSU and RSU awards under the 2007 Omnibus Plan, will be accelerated or forfeited upon certain events as follows:

- All stock options will vest in full upon a participant's death or disability, or upon a change of control.
- Upon a change of control, RSUs will vest in full and PSUs will performance-vest with respect to the portions of a PSU award that has already time-vested, based upon the assumption that target performance is achieved.

Notwithstanding the foregoing, in the event of a change of control, the Compensation Committee may take any of the following actions with respect to any outstanding grants:

- accelerate all outstanding options;
- lapse all restrictions and conditions on outstanding stock awards;
- vest all outstanding stock units;
- require participants to surrender their outstanding options in exchange for payment;
- terminate any unexercised options after giving participants an opportunity to exercise their options; and
- determine that participants receive a payment in settlement of outstanding stock awards, stock units, dividend equivalents or other stock-based awards.

On February 14, 2018, the Compensation Committee approved the granting of long-term equity awards under the 2017 Omnibus Plan to persons serving in the CEO, CFO and COO roles to provide for continued vesting of these equity awards after retirement under certain circumstances. This action applies to long-term equity awards granted on and after February 14, 2018 and does not impact the terms of any prior equity award. For further information, see "Compensation Discussion and Analysis—Ongoing and Post-Employment Arrangements and Benefit Plans—Terms of Outstanding Equity Grants—2017 Omnibus Plan" on page 49 of this proxy statement.

- Upon death or disability, the PSUs will ultimately performance-vest with respect to the tranches of PSU awards that already have time-vested, based upon actual performance as determined at the end of the performance period.
- All unvested RSUs for NEOs will be immediately forfeited upon death or disability.

Quantification of Potential Payments on Termination or Change in Control

The following tables quantify the potential payments and benefits to which the named executive officers would have been entitled to receive if one of several different termination of employment or change in control events occurred on December 31, 2018. The amounts shown in the tables do not include certain payments and benefits to the extent they are provided on a non-discriminatory basis to non-union employees generally upon a termination of employment, including accrued salary and vacation pay, Savings Plan benefits, continued health and welfare coverage following an involuntary termination of employment and coverage under COBRA. All employees are also entitled to life insurance benefits of up to 1.5 times base salary, up to a maximum amount of \$200,000, if death occurs while actively employed, which benefit is also not included in the tables below.

With regard to all options and RSUs subject to time-based vesting at December 31, 2018, the assumed values of the awards are shown in the table in the

applicable columns. With regard to PSUs that remain subject to performance-based vesting following the acceleration of time-based vesting, we have assumed that shares will be issued in respect of the PSUs based on target performance, and that dividend equivalents will continue to accrue through the duration of the applicable performance period. The value of each stock option as to which vesting is accelerated is assumed to be equal to the product of the number of shares underlying the option multiplied by the difference between the exercise price per share and \$90.77, the closing price of our common stock as reported on the NYSE on December 31, 2018. For RSUs and PSUs, the value shown in the table is based on the number of RSUs or PSUs multiplied by \$90.77. In addition, the value of accumulated dividends (and, for awards that remain subject to performance conditions through the end of the performance period, expected dividends for the remainder of the performance period) was included.

| Name | Benefit | Voluntary Termination | Early/Normal Retirement | Involuntary Termination without Cause | Voluntary Termination for Good Reason | Involuntary Termination for Cause | Involuntary Termination without Cause Following a Change in Control | Disability | Death | Change in Control (1) |
|----------------|--|-----------------------|-------------------------|---------------------------------------|---------------------------------------|-----------------------------------|---|--------------|--------------|-----------------------|
| Susan N. Story | Cash Severance | \$ — | \$ — | \$ 2,375,000 | \$ — | \$ — | \$ 2,375,000 | \$ — | \$ — | \$ — |
| | Outplacement Services | \$ — | \$ — | \$ 15,000 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Deferred Compensation Benefits | \$ 4,304,458 | \$ 4,304,458 | \$ 4,304,458 | \$ 4,304,458 | \$ — | \$ 4,304,458 | \$ 4,304,458 | \$ 4,304,458 | \$ 4,304,458 |
| | Nonqualified Pension Benefits | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Qualified Pension Benefits | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Life Insurance and Employee Assistance Program | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ — |
| | Options | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 466,540 | \$ 466,540 | \$ 466,540 | \$ 466,540 |
| | RSUs and PSUs | \$ — | \$ 2,625,769 | \$ — | \$ — | \$ — | \$ 7,611,930 | \$1,669,531 | \$1,669,531 | \$ 4,259,768 |
| | Total | \$ 4,304,458 | \$ 6,930,227 | \$ 6,694,928 | \$ 4,304,458 | \$ — | \$ 14,758,398 | \$6,440,529 | \$6,440,529 | \$ 9,030,766 |

| Name | Benefit | Voluntary Termination | Early/ Normal Retirement | Involuntary Termination without Cause | Voluntary Termination for Good Reason | Involuntary Termination for Cause | Involuntary Termination without Cause Following a Change in Control | Disability | Death | Change in Control (1) |
|-------------------|--|-----------------------|--------------------------|---------------------------------------|---------------------------------------|-----------------------------------|---|------------|--------------|-----------------------|
| Linda G. Sullivan | Cash Severance | \$ — | \$ — | \$ 898,203 | \$ — | \$ — | \$ 898,203 | \$ — | \$ — | \$ — |
| | Outplacement Services | \$ — | \$ — | \$ 15,000 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Deferred Compensation Benefits | \$ 228,488 | \$ 228,488 | \$ 228,488 | \$ 228,488 | \$ — | \$ 372,731 | \$ 228,488 | \$ 372,731 | \$ 372,731 |
| | Nonqualified Pension Benefits | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Qualified Pension Benefits | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Life Insurance and Employee Assistance Program | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ — |
| | Options | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 153,515 | \$ 153,515 | \$ 153,515 | \$ 153,515 |
| | RSUs and PSUs | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 2,061,041 | \$ 508,211 | \$ 508,211 | \$ 1,246,415 |
| | Total | \$ 228,488 | \$ 228,488 | \$ 1,142,161 | \$ 228,488 | \$ — | \$ 3,485,960 | \$ 890,214 | \$ 1,034,457 | \$ 1,772,661 |

| Name | Benefit | Voluntary Termination | Early/ Normal Retirement | Involuntary Termination without Cause | Voluntary Termination for Good Reason | Involuntary Termination for Cause | Involuntary Termination without Cause Following a Change in Control | Disability | Death | Change in Control (1) |
|-----------------|--|-----------------------|--------------------------|---------------------------------------|---------------------------------------|-----------------------------------|---|--------------|--------------|-----------------------|
| Walter J. Lynch | Cash Severance | \$ — | \$ — | \$ 1,023,864 | \$ — | \$ — | \$ 1,023,864 | \$ — | \$ — | \$ — |
| | Outplacement Services | \$ — | \$ — | \$ 15,000 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Deferred Compensation Benefits | \$ 1,146,420 | \$ 1,146,420 | \$ 1,146,420 | \$ 1,146,420 | \$ — | \$ 1,146,420 | \$ 1,146,420 | \$ 1,146,420 | \$ 1,146,420 |
| | Nonqualified Pension Benefits | \$ 1,402,907 | \$ 1,402,907 | \$ 1,402,907 | \$ 1,402,907 | \$ 1,402,907 | \$ 1,402,907 | \$ 2,622,255 | \$ 1,338,376 | \$ 1,402,907 |
| | Qualified Pension Benefits | \$ 511,177 | \$ 511,177 | \$ 511,177 | \$ 511,177 | \$ 511,177 | \$ 511,177 | \$ 916,870 | \$ 483,014 | \$ 511,177 |
| | Life Insurance and Employee Assistance Program | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ — |
| | Options | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 210,238 | \$ 210,238 | \$ 210,238 | \$ 210,238 |
| | RSUs and PSUs | \$ — | \$ 808,174 | \$ — | \$ — | \$ — | \$ 2,738,886 | \$ 696,107 | \$ 696,107 | \$ 1,707,139 |
| | Total | \$ 3,060,504 | \$ 3,868,678 | \$ 4,099,838 | \$ 3,060,504 | \$ 1,914,084 | \$ 7,033,962 | \$ 5,591,890 | \$ 3,874,155 | \$ 4,977,881 |

| Name | Benefit | Voluntary Termination | Early/ Normal Retirement | Involuntary Termination without Cause | Voluntary Termination for Good Reason | Involuntary Termination for Cause | Involuntary Termination without Cause Following a Change in Control | Disability | Death | Change in Control (1) |
|-----------------|--|-----------------------|--------------------------|---------------------------------------|---------------------------------------|-----------------------------------|---|--------------|--------------|-----------------------|
| Michael A. Sgro | Cash Severance | \$ — | \$ — | \$ 764,575 | \$ — | \$ — | \$ 764,575 | \$ — | \$ — | \$ — |
| | Outplacement Services | \$ — | \$ — | \$ 15,000 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Deferred Compensation Benefits | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Nonqualified Pension Benefits | \$ 2,405,220 | \$ 2,405,220 | \$ 2,405,220 | \$ 2,405,220 | \$ 2,405,220 | \$ 2,405,220 | \$ 2,692,510 | \$ 2,169,930 | \$ 2,405,220 |
| | Qualified Pension Benefits | \$ 1,559,219 | \$ 1,559,219 | \$ 1,559,219 | \$ 1,559,219 | \$ 1,559,219 | \$ 1,559,219 | \$ 1,812,617 | \$ 1,486,456 | \$ 1,559,219 |
| | Life Insurance and Employee Assistance Program | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ — |
| | Options | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 101,097 | \$ 101,097 | \$ 101,097 | \$ 101,097 |
| | RSUs and PSUs | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 1,411,331 | \$ 334,686 | \$ 334,686 | \$ 820,863 |
| | Total | \$ 3,964,439 | \$ 3,964,439 | \$ 4,744,484 | \$ 3,964,439 | \$ 3,964,439 | \$ 6,241,912 | \$ 4,940,910 | \$ 4,092,169 | \$ 4,886,399 |

| Name | Benefit | Voluntary Termination | Early/ Normal Retirement | Involuntary Termination without Cause | Voluntary Termination for Good Reason | Involuntary Termination for Cause | Involuntary Termination without Cause Following a Change in Control | Disability | Death | Change in Control (1) |
|------------------|--|-----------------------|--------------------------|---------------------------------------|---------------------------------------|-----------------------------------|---|------------|------------|-----------------------|
| Lloyd A. Warnock | Cash Severance | \$ — | \$ — | \$ 650,250 | \$ — | \$ — | \$ 650,250 | \$ — | \$ — | \$ — |
| | Outplacement Services | \$ — | \$ — | \$ 15,000 | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Deferred Compensation Benefits | \$ 111,013 | \$ 111,013 | \$ 111,013 | \$ 111,013 | \$ — | \$ 181,965 | \$ 111,013 | \$ 181,965 | \$ 181,965 |
| | Nonqualified Pension Benefits | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Qualified Pension Benefits | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — | \$ — |
| | Life Insurance and Employee Assistance Program | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ 470 | \$ — | \$ — | \$ — |
| | Options | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 86,339 | \$ 86,339 | \$ 86,339 | \$ 86,339 |
| | RSUs and PSUs | \$ — | \$ — | \$ — | \$ — | \$ — | \$ 1,214,506 | \$ 285,821 | \$ 285,821 | \$ 701,038 |
| | Total | \$ 111,013 | \$ 111,013 | \$ 776,733 | \$ 111,013 | \$ — | \$ 2,133,530 | \$ 483,173 | \$ 554,125 | \$ 969,342 |

(1) Pension and deferred compensation amounts shown in this column assume a termination of employment (other than an involuntary termination for cause) following a change in control. RSU and PSU amounts shown in this column are payable upon a change in control, without a termination of employment.

CEO Pay Ratio

The Compensation Committee reviewed a comparison of our CEO total compensation for fiscal year 2018 as reported in the Summary Compensation Table of this proxy statement to the median annual total compensation of our U.S. employees for the same period. Our identification of our median employee and our CEO to median employee pay ratio were calculated in a manner we believe to be consistent with Item 402(u) of Regulation S-K. In this regard:

- As permitted by Item 402(u) of Regulation S-K, we used the same median employee in 2018 as we used in 2017, as our employee population and employee compensation arrangements in 2018 did not significantly change from 2017.
- We identified the median employee in 2017 by examining the 2017 base salary or wages plus overtime pay, as applicable, for all individuals, excluding our CEO, located in the United States who were employed by us on December 31, 2017. We believe the use of base salary and wages plus overtime pay represents a consistently applied measure of compensation paid across our entire employee base.
- We included 6,711 employees located in the United States as of December 31, 2017, which includes full-time, part-time, seasonal and temporary employees. This number does not include 18 employees (representing less than 5 percent of our total employee population as of that date) located in Canada. We did not have any other employees located outside of the United States as of December 31, 2017.
- We did not include leased employees or independent contractors.
- We did not make any assumptions, adjustments (such as cost-of-living adjustments) or estimates with respect to base salary and wages plus overtime pay other than annualizing the compensation of permanent employees that were employed as of December 31, 2017 but were employed for less than the full year.

After identifying the median employee, we calculated that employee's annual total compensation using the same methodology we use for our NEOs in the 2018 Summary Compensation Table. The annual total compensation for fiscal year 2018 for our CEO and for the median employee was \$4,983,114 and \$83,599, respectively. The resulting ratio of our CEO's pay to the pay of our median employee for fiscal year 2018 is 60 to 1.

As contemplated by Item 402(u) of Regulation S-K and related interpretations, we relied on methods and assumptions that we determined to be reasonable and appropriate for this calculation. Other public companies may use different methods and assumptions. It may therefore be difficult, for this and other reasons, to compare our reported ratio to those reported by other companies.

COMPENSATION COMMITTEE INTERLOCKS AND INSIDER PARTICIPATION

Messrs. Evanson, Kurz and MacKenzie, and Ms. Goss, Johnson and Hagen, served as members of the Compensation Committee during fiscal year 2018. With respect to interlocks and insider participation involving members of our Compensation Committee during fiscal year 2018:

- None of these individuals were an officer or employee of us or any of our subsidiaries during fiscal year 2018 or any prior fiscal year, except that Mr. MacKenzie, who temporarily served as Chair of the Compensation Committee from January 17, 2018 to May 11, 2018, had served as our interim Chief Executive Officer from January 1, 2006 to April 16, 2006.
- None of these individuals had any relationship with us or any of our subsidiaries during 2018 pursuant to which disclosure would be required under applicable rules of the SEC pertaining to the disclosure of transactions with related persons.
- None of our executive officers served on the board of directors or compensation committee of any other entity that has or had one or more executive officers who served as a member of the Board or the Compensation Committee during fiscal year 2018.

EQUITY COMPENSATION PLAN INFORMATION

The following table sets forth the number of shares of common stock to be issued upon exercise of outstanding options, warrants and rights, the weighted-average exercise price of outstanding options, warrants and rights, and the number of securities available for future issuance under equity compensation plans as of December 31, 2018.

| Plan category | [a] | [b] | [c] |
|--|---|---|---|
| | Number of securities to be issued upon exercise of outstanding options, warrants and rights | Weighted-average exercise price of outstanding options, warrants and rights | Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column [a]) |
| Equity compensation plans approved by security holders | 955,435(1) | \$ 54.92(2) | 8,822,891(3) |
| Equity compensation plans not approved by security holders | — | — | — |
| Total | 955,435(1) | \$ 54.92(2) | 8,822,891 |

- (1) Represents the number of shares of common stock subject to outstanding awards under the 2007 Omnibus Plan and the 2017 Omnibus Plan, including RSU awards and the target number of shares issuable under PSU awards, as of December 31, 2018.
- (2) Represents the weighted-average exercise price as to options issued under the 2007 Omnibus Plan to purchase in the aggregate 517,354 shares of common stock. Since RSU and PSU awards under the 2007 Omnibus Plan or the 2017 Omnibus Plan do not have an exercise price, the weighted-average exercise price in column (b) does not take these awards into account.
- (3) Includes the balance of shares issuable under the current American Water Works Company, Inc. and its Designated Subsidiaries 2017 Nonqualified Employee Stock Purchase Plan. During the purchase period beginning December 1, 2018 and ending February 28, 2019, 21,335 shares were subject to purchase, which shares have not been deducted from this amount.

AUDIT, FINANCE AND RISK COMMITTEE REPORT

The Audit, Finance and Risk Committee assists the Board in its oversight of the integrity of American Water's financial statements, compliance with legal and regulatory requirements and the performance of the internal audit function. Management is responsible for American Water's internal controls, financial reporting process and compliance with legal and regulatory requirements. PricewaterhouseCoopers LLP, American Water's independent registered public accounting firm, is responsible for performing an independent audit of American Water's consolidated financial statements and for issuing a report on these financial statements and on the effectiveness of American Water's internal control over financial reporting.

In this context, the Audit, Finance and Risk Committee hereby reports as follows:

1. The Audit, Finance and Risk Committee has reviewed and discussed with management and PricewaterhouseCoopers LLP the audited financial statements for the fiscal year ended December 31, 2018.
2. The Audit, Finance and Risk Committee has reviewed and discussed with management and PricewaterhouseCoopers LLP our system of internal control over financial reporting.
3. The Audit, Finance and Risk Committee has discussed with PricewaterhouseCoopers LLP the

matters required to be discussed by Public Company Accounting Oversight Board Auditing Standard 1301, "Communications with Audit Committees."

4. The Audit, Finance and Risk Committee has received the written disclosures and the letter from PricewaterhouseCoopers LLP required by applicable requirements of the Public Company Accounting Oversight Board regarding PricewaterhouseCoopers LLP's communications with the Audit, Finance and Risk Committee concerning independence, and has discussed with PricewaterhouseCoopers LLP that firm's independence.

Based on the review and discussion referred to above, the Audit, Finance and Risk Committee recommended to the Board that the audited financial statements be included in American Water's Annual Report on Form 10-K for the fiscal year ended December 31, 2018, for filing with the SEC.

Respectfully submitted,

Martha Clark Goss (Chair)
Jeffrey N. Edwards
George MacKenzie
James G. Stavridis

PROPOSAL 3

RATIFICATION OF APPOINTMENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

General

The Audit, Finance and Risk Committee is directly responsible for the appointment, compensation, retention, evaluation and oversight of the Company's independent registered public accounting firm. As part of this responsibility, the Audit, Finance and Risk Committee annually evaluates the independent registered public accounting firm's qualifications, performance and independence and assesses whether to continue to retain the firm or select a different firm.

The Audit, Finance and Risk Committee has appointed the firm of PricewaterhouseCoopers LLP to serve as the independent registered public accounting firm for American Water during the fiscal year ending December 31, 2019. PricewaterhouseCoopers LLP has served as our auditor since 1948. The Audit, Finance and Risk Committee and the Board have recommended that the shareholders ratify this appointment.

The Audit, Finance and Risk Committee and its Chair are also involved in and approve the selection of the lead audit partner, who is limited to no more than five consecutive years in that role before the position must be rotated in accordance with SEC rules. A new audit partner began his five-year rotation in the first quarter of 2018.

The Audit, Finance and Risk Committee and the Board believe that the continued retention of

PricewaterhouseCoopers LLP as the Company's independent auditor is in the best interests of the Company and its shareholders. Although shareholder ratification is not required by our organizational documents, or applicable law, the Board believes that it is a sound corporate governance practice to seek shareholder ratification of the appointment of PricewaterhouseCoopers LLP.

If our shareholders fail to ratify this appointment, the Audit, Finance and Risk Committee may reconsider its selection; however, it is under no obligation to engage a different auditing firm. Even if the selection is ratified, the Audit, Finance and Risk Committee, in its discretion, may direct the appointment of a different independent registered public accounting firm at any time during the year if the Audit, Finance and Risk Committee believes that such a change would be in the best interests of the Company and our shareholders.

A representative of PricewaterhouseCoopers LLP is expected to be present at the annual meeting and will have the opportunity to make a statement if he or she desires to do so. The representative also will be available to respond to appropriate questions from shareholders at the meeting.

Fees Paid to Independent Registered Public Accounting Firm

The following table presents fees paid to PricewaterhouseCoopers LLP for professional services rendered with respect to 2018 and 2017. All of the services described in the footnotes to the table below were approved in advance by the Audit, Finance and Risk Committee (or its predecessor), in accordance with its policy on the pre-approval of services to be provided by our independent registered public accounting firm.

| | Fiscal Year 2018 | Fiscal Year 2017 |
|-------------------------------|---------------------|---------------------|
| Audit Fees (1) | \$ 3,905,000 | \$ 3,416,000 |
| Audit-Related Fees (2) | 295,000 | 100,000 |
| Tax Fees (3) | 195,000 | 195,000 |
| All Other Fees (4) | 8,000 | 8,000 |
| Total | <u>\$ 4,403,000</u> | <u>\$ 3,719,000</u> |

- (1) Represents fees for professional services rendered in connection with the Company's annual consolidated financial statements, interim financial statements included in our Form 10-Qs, annual subsidiary audits and services in connection with comfort letters, consents and procedures related to documents filed with the SEC.
- (2) Represents fees for professional services rendered in connection with the implementation of new accounting standards and attestation services.
- (3) Represents fees for professional services in connection with the review of the Company's federal and state tax returns and tax advice related to tax compliance, tax planning and tax refund claims.
- (4) Represents fees for software licensing fees for disclosure checklists and accounting research tools.

Pre-Approval of Services Provided by Independent Registered Public Accounting Firm

The Audit, Finance and Risk Committee is required to approve in advance all audit and permitted non-audit services performed by the Company's independent registered public accounting firm. As permitted by the Company's pre-approval policy, which was amended in December 2018, the Audit, Finance and Risk Committee has delegated to its Chair the authority to pre-approve audit and permitted non-audit services to be provided by its independent registered public

accounting firm and associated fees of up to \$100,000 in the aggregate, an increase from the prior limit of \$50,000. The Chair of the Audit, Finance and Risk Committee must report any pre-approval of services pursuant to this delegated authority to the full Audit, Finance and Risk Committee at its next regularly scheduled meeting following the pre-approval, which report then resets the authority limit to \$100,000.

Recommendation of the Board

The Board unanimously recommends a vote **"FOR"** the ratification of the appointment, by the Audit, Finance and Risk Committee, of PricewaterhouseCoopers LLP to serve as our independent registered public accounting firm for 2019.

PROPOSAL 4

SHAREHOLDER PROPOSAL: POLITICAL CONTRIBUTIONS

Trillium Asset Management, LLC, as representative of Trillium P21 Global Equity Fund, the Benedictine Sisters of Pittsburgh, Sundance Family Foundation and William A. Gee, has requested that we include the proposal below in this proxy statement. Each of these shareholders has indicated that such shareholder beneficially owns 50,000, 575, 108, and 1,464 shares, respectively, of common stock as of the date this proposal was submitted. We will provide the address of the proponent promptly upon the oral or written request of a shareholder. The proponent is responsible for the content of this proposal, for which we and the Board do not accept any responsibility.

Resolved, that the shareholders of American Water Works Co. (“the Company”) hereby request that the Company provide a report, updated semiannually, disclosing the Company’s:

1. Policies and procedures for making, with corporate funds or assets, contributions and expenditures (direct or indirect) to (a) participate or intervene in any campaign on behalf of (or in opposition to) any candidate for public office, or (b) influence the general public, or any segment thereof, with respect to an election or referendum.
2. Monetary and non-monetary contributions and expenditures (direct and indirect) used in the manner described in section 1 above, including:
 - a. The identity of the recipient as well as the amount paid to each; and
 - b. The title(s) of the person(s) in the Company responsible for decision-making.

The report shall be presented to the board of directors or relevant board committee and posted on the Company’s website within 12 months from the date of the annual meeting. This proposal does not encompass lobbying spending.

Supporting Statement

As long-term shareholders of American Water Works, we support transparency and accountability in corporate electoral spending. This includes any activity considered intervention in a political campaign under the Internal Revenue Code, such as direct and indirect contributions to political candidates, parties, or organizations, and independent expenditures or electioneering communications on behalf of federal, state, or local candidates.

Disclosure is in the best interest of the company and its shareholders. The Supreme Court recognized this in its 2010 *Citizens United* decision: “[D]isclosure permits citizens and shareholders to react to the speech of corporate entities in a proper way. This transparency enables the electorate to make informed decisions and give proper weight to different speakers and messages.”

Publicly available records indicate the Company has contributed over \$500,000 in corporate funds since the 2010 election cycle. (CQ: <http://moneyline.cq.com> and National Institute on Money in State Politics: <http://www.followthemoney.org>)

However, relying on publicly available data does not provide a complete picture of the Company’s electoral spending. For example, the Company’s payments to trade associations that may be used for election-related activities are undisclosed and unknown. This proposal asks the Company to disclose all of its electoral spending, including payments to trade associations and other tax-exempt organizations, which may be used for electoral

purposes. This would bring our Company in line with a growing number of leading companies, including **PG&E Corp.** and **Sempra Energy**, which present this information on their websites.

The Company's Board and shareholders need comprehensive disclosure to fully evaluate the use of corporate assets in elections. We urge your support for this critical governance reform.

American Water Opposing Statement

While the Board is committed to transparency and accountability, it believes adoption of the proposal is unnecessary and would not be in the best interests of the Company or our shareholders. The Company has been transparent and accountable regarding its political contributions. We operate in a highly regulated industry and political contributions of all types are subject to extensive federal and state governmental regulation and public disclosure requirements. We are fully committed to complying with all applicable campaign finance laws, and information about our political contribution expenditures is disclosed in compliance with all such laws. The semiannual report requested by this proposal would be burdensome and an unnecessary use of our resources without a commensurate benefit and would not be in the best interest of the Company and our shareholders.

While we participate in trade and industry associations to benchmark best practices and share knowledge, we do not necessarily support all of their political goals. Because these associations operate independently of their members, disclosure of amounts paid to them would not provide our shareholders with greater understanding of our business strategies, sustainability initiatives or values. Furthermore, compiling information regarding every trade association to which any of our local subsidiaries may have paid dues would be unreasonably burdensome and an inefficient use of our resources.

Furthermore, we believe that amounts spent in connection with certain referenda and ballot initiatives, as contemplated by this proposal, do not constitute contributions to a political campaign, party or candidacy, but rather are expenditures incurred directly in furtherance of our stated growth and regulated acquisitions goals, which have been established to support and increase long-term shareholder value. For example, under state law, a

public referendum may be required for a utility to enter into an agreement to acquire a municipal water or wastewater system. Such a referendum does not involve supporting a political candidate, campaign or party. This proposal would unnecessarily and improperly characterize expenditures incurred in connection with such a referendum as "political."

Finally, the report and policies and procedures requested by the proponents are unnecessary given the concrete commitments we made in March 2018 to enhance the oversight, review and disclosure of the Company's political contributions. To this end, the Board adopted, effective December 31, 2018, a company-wide Political Contribution Policy.

Our policy, which has been disclosed on our web site, provides Board-level oversight of our political contributions by requiring that we make direct political contributions to campaigns, candidates, political parties and PACs, solely through the Federal PAC or a Subsidiary PAC. Furthermore, our policy requires that our CEO or a line-of-business head approve all political contributions as defined under the policy, depending on which entity makes the contribution. As discussed above, a payment we make in furtherance of a core business function, such as a municipal water or wastewater system acquisition, will not be considered to be a political contribution unless the payment is made to a political party, a candidate for elected office, or his or her campaign. Our policy also requires us to provide shareholders with greater transparency about these political contributions. Within 180 days after the end of each fiscal year, we must disclose on our web site information regarding:

- political contributions we made to a Subsidiary PAC during the last fiscal year;
- political contributions made during the last fiscal year by the Federal PAC and each of our Subsidiary PACs; and

- payments over \$50,000 we made during the last fiscal year to a trade association or tax-exempt organization that notified us in writing that a portion of such payments were used for non-deductible lobbying and political purposes.

In sum, we believe that these commitments demonstrate our support for Board oversight and transparency in our political contribution spending, which substantially addresses the issues raised by the proponent and renders unnecessary the report and other actions the proponent is requesting.

Recommendation of the Board

For the foregoing reasons, the Board unanimously recommends a vote “**AGAINST**” the shareholder proposal.

PROPOSAL 5

SHAREHOLDER PROPOSAL: LOBBYING EXPENDITURES

Boston Common Asset Management, LLC and Maryknoll Sisters of St. Dominic, Inc. have jointly requested that we include the proposal below in this proxy statement. Boston Common Asset Management, LLC indicated that, as of the date it submitted this proposal, it beneficially owned 3,960 shares of common stock held in the Boston Common ESG Impact U.S. Equity Fund (BCAMX). Maryknoll Sisters of St. Dominic, Inc. indicated that, as of the date it submitted this proposal, it beneficially owned 100 shares of common stock. We will provide the address of a co-proponent promptly upon the oral or written request of a shareholder. Each co-proponent is responsible for the content of this proposal, for which we and the Board do not accept any responsibility.

Whereas, we believe in full disclosure of our company's direct and indirect lobbying activities and expenditures to assess whether American Water's lobbying is consistent with its expressed goals and in the best interests of shareholders.

Resolved, the shareholders of American Water ("AWK") request the preparation of a report, updated annually, disclosing:

1. Company policy and procedures governing lobbying, both direct and indirect, and grassroots lobbying communications.
2. Payments by AWK used for (a) direct or indirect lobbying or (b) grassroots lobbying communications, in each case including the amount of the payment and the recipient.
3. AWK's membership in and payments to any tax-exempt organization that writes and endorses model legislation.
4. Description of the decision making process and oversight by management and the Board for making payments described in sections 2 and 3 above.

For purposes of this proposal, a "grassroots lobbying communication" is a communication directed to the general public that (a) refers to specific legislation or regulation, (b) reflects a view on the legislation or regulation and (c) encourages the recipient of the communication to take action with respect to the legislation or regulation. "Indirect lobbying" is lobbying engaged in by a trade association or other organization of which AWK is a member.

Both "direct and indirect lobbying" and "grassroots lobbying communications" include efforts at the local, state and federal levels. Neither "lobbying" nor "grassroots lobbying communications" include efforts to participate or intervene in any political campaign or to influence the general public or any segment thereof with respect to an election or referendum.

The report shall be presented to the Audit Committee or other relevant oversight committees and posted on AWK's website.

Supporting Statement

We encourage transparency in AWK's use of corporate funds to lobby. Since 2011, AWK has spent at least \$1.4 million on federal lobbying. And AWK also lobbies extensively at the state level, where disclosure is uneven or absent. For example, AWK spent \$1,195,414 lobbying in New Jersey for 2010-2017 and \$1,099,875 lobbying in California in 2017.

AWK serves on the board of the National Association of Water Companies (NAWC), which spent \$3.85 million on lobbying from 2010-2017, and also belongs to the American Water Works Association and the Marcellus Shale

Coalition. AWK does not disclose its trade association memberships, nor payments and amounts used for lobbying. And AWK does not disclose its payments to tax-exempt organizations that write and endorse model legislation, such as its support for the American Legislative Exchange Council (ALEC).

We are concerned that AWK's lack of disclosure presents reputational risks. AWK's membership in NAWC has drawn scrutiny ("FERC Commissioner to Become Head of Water Privatization & Fracking Wastewater Lobby," *Eyes on the Ties*, July 2, 2018), as has its ALEC involvement ("Private Water Industry Defends ALEC Membership," *American Independent*, May 3, 2012). At least 110 companies have publicly left ALEC.

This proposal received over 40 percent support in 2018 out of votes cast for and against.

American Water Opposing Statement

We are committed to adhering to the highest standards of ethics in engaging in activities that seek to advocate legislative positions that support our business and operations. Given our extensive utility regulation at the federal, state and local levels, the Board believes that it is in our and our shareholders' best interests to engage in limited advocacy activities in order to educate government officials, regulators and the public about the Company's position on public policy issues that impact our business, customers, employees and the communities we serve. We advocate for policies that enable us to remain competitive, expand our business and improve service to our customers. While we dedicate resources in order to advocate vigorously for our interests and the interests of our shareholders and customers, we do not have material annual expenditures related to lobbying activities.

Lobbying activities are already regulated and require disclosure by a number of the states in which we operate. We fully comply with the disclosure obligations imposed by the federal, state and local laws relating to lobbying activities. The Company's Code of Ethics also requires that all dealings with governmental officers be marked by honesty and professionalism. The Code of Ethics also outlines the Company's policies and certain legal requirements in connection with lobbying activities. Moreover, in December 2018, our Board adopted a company-wide Political Contribution Policy that requires us to disclose each year on our website payments over

\$50,000 made in the prior year to a trade association or tax-exempt organization that notified us in writing that a portion of such payments were used to pay non-deductible lobbying and political expenses. Thus, our Board has already implemented reasonable oversight over, and we have agreed to provide reasonable transparency to our shareholders regarding, these third-party payments.

In addition, the proposal seeks to impose requirements on us that are vague and would be cumbersome to apply, are not required by law and are not standard among other companies, including our competitors. The proposal does not include a definition of "lobbying" activities, which creates significant uncertainty as to the type of activity we would be required to track and report. The requirements of this proposal would result in an unnecessary use of time, effort and resources to obtain the information needed to prepare the report.

In sum, we note that we are already subject to substantial reporting requirements regarding our lobbying activities and we have implemented appropriate internal controls to ensure that we conduct such activities with honesty and professionalism and in accordance with the law, all in furtherance of our and our shareholders' interests. As such, the Board does not believe that the requested disclosure would be valuable to our shareholders.

Recommendation of the Board

For the foregoing reasons, the Board unanimously recommends a vote "**AGAINST**" the shareholder proposal.

CERTAIN BENEFICIAL OWNERSHIP MATTERS

Security Ownership of Management

The following table sets forth information as of March 15, 2019, regarding the beneficial ownership of common stock by:

- each director;
- each director nominee;
- each NEO included in the 2018 Summary Compensation Table; and
- all of the Company's directors and executive officers as a group.

As of March 15, 2019, 180,511,068 shares of common stock were issued and outstanding. The number of shares beneficially owned by each shareholder is determined under rules promulgated by the SEC. The information does not necessarily indicate beneficial ownership for any other purpose. In computing the number of shares beneficially owned by a person and the percentage ownership of that person, shares of common stock subject to options or

rights held by that person that are currently exercisable or will become exercisable on or before May 14, 2019 (60 days after March 15, 2019), are deemed to be currently outstanding. These shares, however, are not deemed outstanding for the purposes of computing the percentage ownership of any other person.

Unless otherwise noted below:

- the address for each beneficial owner in the table below is c/o American Water Works Company, Inc., 1 Water Street, Camden, New Jersey 08102-1658; and
- subject to applicable community property laws, to the Company's knowledge, each person named in the tables below has sole voting and investment power over the shares shown as beneficially owned by that person.

| Name | Number of Shares (1) | Vested Options (1) | Total Shares of Common Stock Beneficially Owned (2) | % of Shares Outstanding |
|---|----------------------|--------------------|---|-------------------------|
| Jeffrey N. Edwards | 259 | — | 259 | * |
| Martha Clark Goss | 25,628 | — | 25,628 | * |
| Veronica M. Hagen | 318 | — | 318 | * |
| Julia L. Johnson | 13,828 | — | 13,828 | * |
| Karl F. Kurz | 4,538 | — | 4,538 | * |
| Walter J. Lynch | 103,661 | 58,524 | 162,185 | 0.1% |
| George MacKenzie | 32,594 | — | 32,594 | * |
| Michael A. Sgro | 11,147 | 6,680 | 17,827 | * |
| James G. Stavridis | 259 | — | 259 | * |
| Susan N. Story | 98,713 | 173,084 | 271,797 | 0.2% |
| Linda G. Sullivan | 30,629 | 58,273 | 88,902 | * |
| Lloyd A. Warnock | 12,250 | 9,502 | 21,752 | * |
| All directors and executive officers as a group (17 persons) (3) | 340,728 | 316,364 | 657,092 | * |

* Less than 1% (or, with respect to an NEO, less than 0.1%)

- (1) Except as may otherwise be indicated, the amounts in the table above do not include the following interests in our common stock, which interests do not confer voting or investment power:
- shares of common stock underlying RSU, PSU and stock unit awards, granted under the 2007 Omnibus Plan or the 2017 Omnibus Plan, which have not vested as of March 15, 2019 and will not vest on or before May 14, 2019; and
 - shares of common stock underlying RSU, PSU and stock unit awards granted under the 2007 Omnibus Plan or the 2017 Omnibus Plan, which have vested as of March 15, 2019 or will vest on or before May 14, 2019, but the settlement of the award and the receipt of common stock thereby is deferred to a date that is later than May 14, 2019.
- (2) For each of our NEOs and our directors, the amounts in this column do not include the following interests in our common stock, which interests do not confer voting or investment power:

| Name | Number of Unearned RSUs/Stock Units* | Number of Unearned PSUs | Total |
|--------------------|---|----------------------------|----------------|
| Jeffrey N. Edwards | 1,497 | — | 1,497 |
| Martha Clark Goss | 2,873 | — | 2,873 |
| Veronica M. Hagen | 4,278 | — | 4,278 |
| Julia L. Johnson | 8,890 | — | 8,890 |
| Karl F. Kurz | 3,651 | — | 3,651 |
| Walter J. Lynch | 6,378 | 22,573 | 28,951 |
| George MacKenzie | 1,497 | — | 1,497 |
| Michael A. Sgro | 3,532 | 12,160 | 15,692 |
| James G. Stavridis | 1,497 | — | 1,497 |
| Susan N. Story | 20,434 | 69,735 | 90,169 |
| Linda G. Sullivan | 5,187 | 17,826 | 23,013 |
| Loyd A. Warnock | 3,470 | 10,215 | 13,685 |
| Total | 63,184 | 132,509 | 195,693 |

* Unearned RSUs and stock units represent shares underlying RSU or stock unit awards, which shares (i) have not been earned, (ii) have vested but have not been delivered, or (iii) have been deferred, in each case in accordance with footnote (1) above.

- (3) Includes 17,205 shares beneficially owned (including 10,301 shares underlying vested options) by executive officers of the Company not named in the table above. Excludes in the aggregate 226,383 shares underlying unvested RSUs and unearned PSUs, as well as unvested or deferred stock units, held by our directors and executive officers, as referenced in footnote (1) above.

Security Ownership of Certain Beneficial Owners

The table below indicates the persons or entities known to us to be the beneficial holders of more than five percent of our common stock, as of December 31, 2018.

| Name and Address of Beneficial Owner | Number of Shares Beneficially Owned | % of Shares Outstanding |
|--|-------------------------------------|-------------------------|
| BlackRock, Inc. (1) 55 East 52nd Street New York, NY 10022 | 14,335,088 | 7.9% |
| The Vanguard Group (2) 100 Vanguard Boulevard Malvern, PA 19355 | 19,832,410 | 11.0% |

- (1) BlackRock, Inc. ("BlackRock") is the beneficial owner of the 14,335,088 shares listed in the table. BlackRock Inc. is a holding company of subsidiaries that hold the shares, including: BlackRock Japan Co., Ltd.; BlackRock Advisors (UK) Limited; BlackRock Institutional Trust Company, National Association; BlackRock Fund Advisors; BlackRock Asset Management Canada Limited; BlackRock Advisors, LLC; BlackRock Financial Management, Inc.; BlackRock Investment Management, LLC; BlackRock Investment Management (Australia) Limited; BlackRock (Luxembourg) S.A.; BlackRock (Netherlands) B.V.; BlackRock (Singapore) Limited; BlackRock Asset Management North Asia Limited; BlackRock Asset Management Ireland Limited; BlackRock Asset Management Schweiz AG; BlackRock Investment Management (UK) Limited; BlackRock International Limited; BlackRock Fund Managers Ltd; and BlackRock Life Limited. BlackRock holds sole voting power with respect to 12,377,374 shares and sole dispositive power with respect to all of the shares listed in the table. This disclosure is derived solely from information contained in a Schedule 13G/A filed by BlackRock with the SEC on March 15, 2019. The information is as of December 31, 2018, and the number of shares beneficially owned by BlackRock may have changed subsequently.
- (2) The Vanguard Group ("Vanguard"), an investment management company, is the beneficial owner of the 19,832,410 shares of the Company's common stock listed in the table. Vanguard holds sole power to vote or direct to vote 241,935 shares, sole power to dispose of or to direct the disposition of 19,522,129 shares, shared power to vote or direct to vote 102,010 shares, and shared power to dispose of or to direct the disposition of 310,281 shares. Of these shares, 152,697 shares are beneficially owned by Vanguard Fiduciary Trust Company and 244,477 shares are beneficially owned by Vanguard Investments Australia, Ltd., each a wholly-owned subsidiary of Vanguard. This disclosure is derived solely from information contained in a Schedule 13G/A, filed by Vanguard with the SEC on February 11, 2019. The information is as of December 31, 2018, and the number of shares beneficially owned by Vanguard may have changed subsequently.

Section 16(a) Beneficial Ownership Reporting Compliance

Section 16(a) of the Exchange Act requires the Company's directors and executive officers and persons who own more than 10 percent of our common stock to file with the SEC an initial report of beneficial ownership and subsequent reports of changes in beneficial ownership resulting from transactions in our common stock, generally within two business days of a reportable transaction. As a practical matter, we seek to assist our directors and executives by

monitoring transactions and completing and filing these reports on their behalf. To our knowledge, based on our review of these reports and representations of our directors and executive officers, we believe that the applicable Section 16(a) reporting requirements were complied with for all transactions that occurred during the fiscal year ended December 31, 2018.

COMMUNICATIONS, SHAREHOLDER PROPOSALS AND COMPANY INFORMATION

Shareholder Communications to the Board

Shareholders and other interested parties may communicate directly with the Board or individual members of the Board, including those wishing to express concerns relating to accounting, internal controls, audit matters, fraud or unethical behavior, by submitting written correspondence to the Company or via email: contacttheboard@amwater.com. The Company's Secretary reviews and provides summaries and/or copies of the communications to the Board and relevant committees. All communications are treated confidentially.

Our "whistleblower" policy prohibits American Water and any of its employees from retaliating or taking any adverse action against anyone for raising a concern in good faith. If an interested party nonetheless prefers to raise his or her concern to the Board in a confidential or anonymous manner, the concern may be directed to our confidential ethics hotline at (877) 207-4888. Such matters raised on the hotline are investigated by the Ethics and Compliance Department and reviewed by the Chair of the Audit, Finance and Risk Committee.

Shareholder Proposals and Director Nominations

Any shareholder who, in accordance with SEC Rule 14a-8, wishes to present a proposal for inclusion in the proxy materials to be distributed in connection with the 2020 annual meeting of shareholders must submit the proposal so that it is received by our Secretary at our principal executive offices on or before November 27, 2019 and must comply in all other respects with applicable SEC rules. If the date of the 2020 annual meeting is changed by more than 30 days from the date of the 2019 annual meeting, then the deadline for receipt of the proposal would be a reasonable time before we begin to print and send our proxy materials. Shareholder proposals must be delivered to our Secretary as described under

"—Contacting Us or Our Transfer Agent" on page 82 of this proxy statement.

Any shareholder who wishes to propose any business to be considered by the shareholders at the 2020 annual meeting (other than a proposal for inclusion in the proxy statement pursuant to SEC Rule 14a-8), or to nominate a person for election to the Board at that meeting, must provide timely and proper notice to American Water in writing, including the specified information described in our Amended and Restated Bylaws concerning the proposed business or nominee.

The requirements for such notice are set forth in our Amended and Restated Bylaws, a copy of which can be obtained from the Company upon request. The notice must be received at American Water's principal executive offices no earlier than January 11, 2020 and no later than February 10, 2020. However, if the date of the 2020 annual meeting is more than 30 days before or 60 days after May 10, 2020, other than as a result of any adjournment or postponement thereof, notice must be received not later than 90 days prior to the date of the 2020 annual meeting, or, if later, by the 10th day following the Company's first public announcement of the date of the 2020 annual meeting. The shareholder must otherwise comply with all applicable procedural and substantive requirements set forth in our Amended and Restated Bylaws.

In order for shareholder proposals that are submitted outside of SEC Rule 14a-8 and are intended to be considered by the shareholders at the 2020 annual meeting, to be "timely" for purposes of Rule 14a-4(c) promulgated under the Exchange Act, the proposal must be received by American Water no later than February 10, 2020. If a shareholder fails to provide such timely notice of a proposal to be presented at the 2020 annual meeting, the proxies designated by the Board will have discretionary authority to vote on any such proposal.

The Nominating Committee will consider qualified director candidate recommendations by shareholders.

Delivering Proxy Materials Through Electronic Means

Important Notice Regarding the Availability of Proxy Materials for the Shareholder Meeting to Be Held on May 10, 2019

The Notice of 2019 Annual Meeting of Shareholders, 2019 Proxy Statement and 2018 Annual Report are available at <http://www.proxyvote.com>.

Under the "Notice and Access" rules approved by the SEC, we are permitted to deliver this proxy statement and our 2018 Annual Report by providing access to the documents on the Internet instead of mailing printed copies. Accordingly, certain shareholders have received a "Notice of Availability" instead of printed copies of the proxy materials. The Notice of Availability instructs a shareholder on how to access and review all of the proxy materials on the Internet.

The recommendation must include the following information:

- the name, age, business address and residence address of the candidate;
- a resume describing the candidate's qualifications;
- other information about the candidate that would be required to be included in a proxy statement under the rules of the SEC;
- a description of all arrangements or understandings relating to the nomination between or among the shareholder, the candidate and any other person or persons;
- the signed consent of the candidate to serve as a director if elected;
- the name and address of the shareholder who is submitting the recommendation;
- evidence of the number of shares of American Water's common stock that the recommending shareholder owns and the length of time the shares have been owned; and
- certain other information required by our Amended and Restated Bylaws.

The Nominating Committee may seek additional information regarding the candidate. The Nominating Committee will consider all potential candidates in the same manner regardless of the source of the recommendation.

The Notice of Availability also has instructions on how a shareholder may vote his or her shares. Although the Notice of Availability identifies the items to be voted on at the meeting, you cannot vote your shares merely by marking the Notice of Availability and returning it.

Beginning on the date of mailing of the Notice of Availability, shareholders will be able to access all of

the proxy materials on a web site referred to in the Notice of Availability. If you received a Notice of Availability and would like to receive free of charge a paper or electronic copy of our proxy materials, you may elect to do so by following the instructions in the Notice of Availability for requesting such materials.

If you previously requested a paper copy of the proxy materials (and you have not revoked that request) or if delivery of printed proxy materials is required by law, you will receive a copy of the proxy materials instead of the Notice of Availability.

Householding of Proxy Materials

To reduce the expense of delivering duplicate sets of proxy materials to multiple shareholders sharing the same address, we have adopted a procedure approved by the SEC called “householding.” This procedure saves printing costs and postage fees, and conserves natural resources.

Under the householding procedure, certain shareholders of record who have the same address and last name will receive only one copy of the Notice of Availability and/or set of proxy materials, unless one or more of the shareholders at that address has previously notified us that they want to receive separate copies.

Under the SEC’s householding rules, intermediaries also may deliver a single copy of the proxy materials or Notice of Availability to two or more shareholders that share the same address. If you and other residents at your mailing address own shares of common stock in street name through a broker or bank, you may have received a notice that your household will be sent only one copy of the proxy materials or the Notice of Availability. If you did not provide your broker or bank with notice that you

To the extent we are not required by law to mail our proxy materials to you in paper form, you can eliminate all such future paper mailings, including mailing of the Notice of Availability, by electing to receive an e-mail that will provide internet links to these documents and the online proxy voting web site. Opting to receive all future proxy materials electronically will save us the cost of producing and mailing documents to you and will help us conserve natural resources. Requests for electronic delivery may be made at <http://enroll.icsdelivery.com/awk>.

object to this householding, you may have been deemed to have consented to the householding of information.

However, upon written or oral request, we will promptly deliver a separate copy of the annual report and/or proxy statement to any shareholder at a shared address to which a single copy of each document was delivered. To change your householding status with respect to your shares of common stock:

- if you are the registered holder of your shares, please contact American Stock Transfer & Trust Company, LLC, our transfer agent, as noted below in “—Contacting Us or Our Transfer Agent” or
- if you hold your shares in street name, please contact Broadridge Financial Solutions:
 - by telephone, toll-free, at (866) 540-7095 or
 - in writing, at 51 Mercedes Way, Edgewood, New York 11717, Attention: Householding Department.

We encourage shareholders to have all the shares they hold of record registered in the same name and under the same address.

Contacting Us or Our Transfer Agent

| <i>How to Contact Us:</i> | <i>How to Contact our Transfer Agent:</i> |
|---|---|
| American Water Works Company, Inc. 1 Water Street Camden, New Jersey 08102-1658 Attention: Secretary | American Stock Transfer & Trust Company, LLC 6201 15th Avenue Brooklyn, New York 11219-9821 (888) 556-0423 (toll-free) |

Where to Find More Information

Pursuant to the rules of the SEC, our 2018 Annual Report must accompany this proxy statement. You may view our 2018 Annual Report on the Internet by visiting the Investor Relations page on our website at <https://amwater.com>. We utilize our website as a recognized channel of distribution to provide important information regarding us and our subsidiaries to investors, including information with respect to the meeting and information that we may wish to disclose publicly for purposes of complying with the federal securities laws. However, information contained on our website is not a part of this proxy statement. Any website references contained in this proxy statement are intended to be made only through inactive hyperlinks.

Portions of the 2018 Form 10-K have been utilized to prepare the 2018 Annual Report. Upon written request:

- we will furnish a copy of the 2018 Form 10-K (without exhibits), including the financial statements and the financial statement schedules contained in such report; and
- we will furnish a copy of any exhibit to the 2018 Form 10-K upon the payment of a fee equal to our reasonable expenses incurred in furnishing such exhibit.

See “—Contacting Us or Our Transfer Agent” for information on how to contact us to request this information. The written request must include a good faith representation that, as of March 15, 2019, the person making the request was a record or beneficial owner of common stock entitled to vote at the meeting.

OTHER MATTERS

Other Matters to Come Before the Annual Meeting

As of the date of this proxy statement, we do not know of any matters to be acted upon at the annual meeting other than those discussed in this proxy statement. If any other items or matters are properly presented before the annual meeting, the proxy

holders will vote on such matters in their discretion. A proxy granted by a shareholder will give discretionary authority to the proxy holders to vote on any matters introduced pursuant to these procedures, subject to applicable SEC rules.

Solicitation of Proxies

We will bear the costs of solicitation of proxies, including the reimbursement of banks and brokers for certain costs incurred in forwarding proxy materials to beneficial owners. We have retained D.F. King & Co. in connection with this solicitation, at an anticipated cost to us of approximately \$12,500, plus expenses.

In addition to the use of the mails, our officers, directors and employees may solicit proxies personally, by telephone or facsimile or via the Internet. These individuals will not receive any additional compensation for these activities.

Status of Information Included in this Proxy Statement

Our 2018 Form 10-K includes our consolidated balance sheets for each of the years ended December 31, 2018 and 2017, and our consolidated statements of operations, comprehensive income, cash flows and changes in shareholders' equity for

each of the years ended December 31, 2018, 2017 and 2016. In accordance with the rules of the SEC, the 2018 Annual Report, which includes a portion of the information included in the 2018 Form 10-K, accompanies this proxy statement. However, neither

the 2018 Annual Report nor the 2018 Form 10-K forms any part of this proxy statement or the material being used for the solicitation of proxies at the meeting.

We are permitted under the Securities Act of 1933, as amended, or the Securities Act, and the Exchange Act to “incorporate by reference” information in whole or in part from certain future filings, including this proxy statement. Information that is “incorporated by reference” into a filing means that it is deemed to be a part of that filing even though the information does not actually appear within it. However, the following information that is part of or accompanies this proxy statement shall not be deemed to be incorporated by reference into any of our filings under either the

Securities Act or the Exchange Act, unless we have otherwise specifically provided for it in such filing:

- the Compensation Committee Report;
- the Audit, Finance and Risk Committee Report;
- the 2018 Annual Report that accompanies this proxy statement; and
- the performance graph contained in “Compensation Discussion and Analysis—Executive Summary—Return to Shareholders” and the “Five-Year Performance Graph” contained in the 2018 Annual Report.

As a result, the foregoing information will not be deemed to be “soliciting material” subject to Regulation 14A under the Exchange Act or “filed” with the SEC under Section 18 of the Exchange Act.

Appendix A

Non-GAAP Financial Information

- A. Reconciliation of net income attributable to common shareholders, diluted earnings per share (GAAP), to adjusted diluted earnings per share (a non-GAAP, unaudited measure):

| | Year Ended December 31, 2018 | Year Ended December 31, 2017 |
|--|------------------------------------|------------------------------------|
| Diluted earnings per share (GAAP): | | |
| Net income attributable to common shareholders | \$ 3.15 | \$ 2.38 |
| Adjustments: | | |
| Gain on sale of Contract Services Group contracts | (0.08) | — |
| Income tax impact | 0.02 | — |
| Net adjustment | (0.06) | — |
| Keystone impairment charge | 0.31 | — |
| Income tax impact | (0.08) | — |
| Net loss attributable to noncontrolling interest | (0.01) | — |
| Net adjustment | 0.22 | — |
| Freedom Industries settlement and insurance recoveries | (0.11) | (0.12) |
| Income tax impact | 0.03 | 0.05 |
| Net adjustment | (0.08) | (0.07) |
| Early extinguishment of debt at the parent company | — | 0.03 |
| Income tax impact | — | (0.01) |
| Net adjustment | — | 0.02 |
| Impact of re-measurement from the TCJA | 0.07 | 0.70 |
| Total net adjustments | 0.15 | 0.65 |
| Adjusted diluted earnings per share (non-GAAP) | \$ 3.30 | \$ 3.03 |

- B. Reconciliation of (1) total O&M expenses to adjusted O&M expenses—regulated businesses (a non-GAAP, unaudited measure) and (2) total operating revenues to adjusted operating revenues—regulated businesses (a non-GAAP, unaudited measure), used to calculate adjusted O&M efficiency ratio—regulated businesses (a non-GAAP, unaudited measure):

| | For the Years Ended December 31, (dollars in millions) | | | |
|---|---|-----------------|-----------------|-----------------|
| | 2018 | 2017 | 2016 | 2014 |
| Total O&M expenses (i) | \$ 1,479 | \$ 1,369 | \$ 1,499 | \$ 1,358 |
| Less: | | | | |
| O&M expenses — Market-Based Businesses | 362 | 337 | 372 | 289 |
| O&M expenses — Other (i) | (42) | (44) | (38) | (51) |
| Total O&M expenses — Regulated Businesses (i) | 1,159 | 1,076 | 1,165 | 1,120 |
| Less: | | | | |
| Regulated purchased water expenses | 133 | 128 | 122 | 122 |
| Allocation of non-O&M expenses | 31 | 29 | 30 | 39 |
| Impact of Freedom Industries litigation settlement activities (ii) | (20) | (22) | 65 | — |
| Impact of Freedom Industries chemical spill | — | — | — | 10 |
| Estimated impact of weather | — | — | — | (2) |
| Adjusted O&M expenses — Regulated Businesses (a) | <u>\$ 1,015</u> | <u>\$ 941</u> | <u>\$ 948</u> | <u>\$ 951</u> |
| Total operating revenues | \$ 3,440 | \$ 3,357 | \$ 3,302 | \$ 3,011 |
| Less: | | | | |
| Pro forma adjustment for impact of the TCJA (iii) | — | 166 | 161 | 137 |
| Total pro forma operating revenues | 3,440 | 3,191 | 3,141 | 2,874 |
| Less: | | | | |
| Operating revenues — Market-Based Businesses | 476 | 422 | 451 | 355 |
| Operating revenues — Other | (20) | (23) | (20) | (18) |
| Total operating revenues — Regulated Businesses | 2,984 | 2,792 | 2,710 | 2,537 |
| Less: | | | | |
| Regulated purchased water revenues (iv) | 133 | 128 | 122 | 122 |
| Plus: | | | | |
| Impact of Freedom Industries chemical spill | — | — | — | 1 |
| Estimated impact of weather | — | — | — | 17 |
| Adjusted operating revenues — Regulated Businesses (b) | <u>\$ 2,851</u> | <u>\$ 2,664</u> | <u>\$ 2,588</u> | <u>\$ 2,433</u> |
| Adjusted O&M efficiency ratio — Regulated Businesses (a)/(b) | 35.6% | 35.3% | 36.6% | 39.1% |

Note:

The adjusted O&M efficiency ratios originally reported for each of the years ended December 31, 2017, 2016 and 2014 were 33.8%, 34.9% and 36.7%, respectively, which did not include the adjustments for the items discussed in footnotes (i) and (iii) below.

- (i) Includes the impact of the Company's adoption of Accounting Standards Update 2017-07, Compensation—Retirement Benefits (Topic 715): Improving the Presentation of Net Periodic Pension Cost and Net Periodic Post-Retirement Benefit Cost ("ASU 2017-07"), on January 1, 2018.
- (ii) Includes the impact of the settlements in 2017 and 2018 with two of our general liability insurance carriers and the binding global agreement in principle to settle claims in 2016, all in connection with the Freedom Industries chemical spill.

- (iii) Includes the estimated impact of the TCJA on operating revenues for our regulated businesses for 2017, 2016 and 2014, as if the lower federal corporate income tax rate had been in effect for each year.
- (iv) The calculation assumes purchased water revenues approximate purchased water expenses in our regulated businesses.

C. Other Information Regarding Non-GAAP Financial Measures.

Adjusted diluted earnings per share represents a non-GAAP financial measure and is calculated as GAAP diluted earnings per share, excluding the impact of one or more of the following events:

- a gain in the third quarter of 2018 on the sale of the majority of our Contract Services Group's O&M contracts;
- a goodwill and intangible impairment charge recorded in the third quarter of 2018 resulting from narrowing the scope of our Keystone market-based business;
- insurance settlements in 2017 and 2018 related to the Freedom Industries chemical spill in West Virginia;
- an early extinguishment of debt charge at the parent company in the third quarter of 2017; and
- non-cash re-measurement charges recorded in the fourth quarters of 2017 and 2018 resulting from the impact of the change in the federal corporate income tax rate on the Company's deferred income taxes from the enactment of the TCJA.

We believe that adjusted diluted earnings per share provides investors with useful information by excluding certain matters that may not be indicative of our ongoing operating results, and that providing this non-GAAP measure will allow investors to understand better our businesses' operating performance and facilitate a meaningful year-to-year comparison of our results of operations. Although management uses this non-GAAP financial measure internally to evaluate our results of operations, we do not intend results excluding the adjustments to represent results as defined by GAAP, and the reader should not consider them as indicators of performance. This non-GAAP financial measure is derived from our consolidated financial information but is not presented in our financial statements prepared in accordance with GAAP, and thus it should be considered in addition to, and not as a substitute for, measures of financial performance prepared in accordance with GAAP. In addition, this non-GAAP financial measure as defined and used above may not be comparable to similarly titled non-GAAP measures used by other companies, and, accordingly, it may have significant limitations on its use.

Our adjusted O&M efficiency ratio is defined as our O&M expenses from our regulated businesses, divided by the pro forma operating revenues from our regulated businesses, where both O&M expenses and pro forma operating revenues were adjusted to eliminate purchased water expense. Additionally, from operation and maintenance expenses, we excluded the allocable portion of non-O&M support services costs, mainly depreciation and general taxes, that are reflected in our regulated businesses segment as O&M expenses, but for consolidated financial reporting purposes, are categorized within other line items in the accompanying Consolidated Statements of Operations.

In addition to the adjustments discussed above, for period-to-period comparability purposes, we have presented the estimated impact of the TCJA on operating revenues for our regulated businesses on a pro forma basis for 2017 as if the lower federal corporate income tax rate had been in effect for that year. We also made the following adjustments to our O&M efficiency ratio: (i) we excluded from O&M expenses the impact of certain Freedom Industries chemical spill insurance settlements recognized in 2017 and 2018; and (ii) we excluded from O&M expenses for 2017 and 2018 the impact of our adoption on January 1, 2018 of ASU 2017-07. We excluded the items discussed above from the calculation as we believe such items are not reflective of management's ability to increase the efficiency of our regulated businesses.

We evaluate our operating performance using this ratio because we believe it directly measures improvement in the efficiency of our regulated businesses. This information is intended to enhance an investor's overall understanding of our operating performance. This non-GAAP financial measure is derived from our consolidated financial information but is not presented in our financial statements prepared in accordance with GAAP, and thus it should be considered in addition to, and not as a substitute for, measures of operating performance prepared in accordance with GAAP. Our adjusted O&M efficiency ratio may not be comparable to other companies' operating measures, and, accordingly, it may have significant limitations on its use.



DIRECTIONS AND PARKING INFORMATION 2019 ANNUAL MEETING OF SHAREHOLDERS

The Camden Adventure Aquarium
1 Riverside Drive
Camden, New Jersey 08103

FROM PHILADELPHIA AND THE WESTERN SUBURBS (I-76): From I-76 (Schuylkill Expressway), follow signs to central Philadelphia, taking Exit 344, I-676 East. Take I-676 approximately 1.6 miles to the exit for the Ben Franklin Bridge. Staying in the left lanes on the exit ramp, make a right (south) at the bottom of the ramp onto 6th Street. Stay left on 6th Street following the circle to the Ben Franklin Bridge. Cross the Ben Franklin Bridge and bear right to continue on I-676 South. Remaining in the right lane, take Exit 5B, "Market Street/Waterfront," less than $\frac{1}{4}$ mile from toll plaza on the right-hand side. Stay on Market Street (west), following blue "Waterfront/Aquarium" signs for approximately 0.6 miles to Delaware Avenue. Make a left onto Delaware Avenue (south), and get immediately into the right lane on Delaware Avenue. Look for the entrance to the parking area on the right, less than one block after turning onto Delaware Avenue.



FROM DELAWARE, MARYLAND AND POINTS SOUTH (I-95 NORTH): From I-95 North follow signs to Exit 19, "I-76/Walt Whitman Bridge." Cross the Walt Whitman Bridge and remain in the right lane, looking for signs for I-676 North. Take I-676 North approximately 3 miles to Exit 5A, Martin Luther King Boulevard. Exiting the ramp in the right lane, go straight (west) and follow blue "Waterfront" signs approximately 1.1 miles to Third Street. Turn right on Third Street (north) and follow it for two blocks to Market Street. Turn left at the second light, Market Street (west) and drive three blocks to Delaware Avenue. Make a left at Delaware Avenue (south), and get immediately into the right lane. Look for the entrance to the parking area on the right less than one block after turning onto Delaware Avenue.

FROM NORTHERN NEW JERSEY AND NEW YORK VIA THE NEW JERSEY TURNPIKE OR I-295: From the New Jersey Turnpike, take Exit 4 onto Route 73 North. Take Route 73 to Route 38 West towards Camden. Take Route 38 West and bear right at overpass to U.S. 30 West. Stay on U.S. 30 West approximately 1.6 miles to the "Martin Luther King Boulevard/Waterfront Attractions" exit on the right. Off the ramp, continue straight until the road splits. Following the blue "Waterfront/Aquarium" sign, stay to the left onto Martin Luther King Boulevard, and drive approximately 1.1 miles to Third Street. Turn right on Third Street (north). Make a left at the second light, Market Street (west) and stay on Market for three blocks to Delaware Avenue. Make a left at Delaware Avenue (south), and get immediately into the right lane. Look for the entrance to the parking area on the right less than one block after turning onto Delaware Avenue.



**PARKING AREA
ENTRANCE
ON THE RIGHT**

From I-295 South, take Exit 26 for I-76 West/I-676 North. Follow signs for I-676 North and stay on I-676 North approximately 3 miles to Exit 5A, Martin Luther King Boulevard. Exiting the ramp in the right lane, go straight (west), and follow blue "Waterfront" signs approximately 1.1 miles to Third Street. Turn right on Third Street (north) and follow it for two blocks to Market Street. Turn left at the second light, Market Street (west) and stay on Market for three blocks to Delaware Avenue. Make a left at Delaware Avenue (south) and get immediately into the right lane. Look for the entrance to the parking area on the right less than one block after turning onto Delaware Avenue.

FROM BUCKS COUNTY AND NORTHEASTERN PA VIA I-95 SOUTH: From I-95 South, take Exit 22, I-676 East/Callowhill Street. Make a right onto Callowhill Street (west) and get into the left lane. Make a left onto 6th Street (south) staying in the left lane and following signs for the Ben Franklin Bridge. Cross the Ben Franklin Bridge and bear right to continue on I-676 South, remaining in the right lane. Look for Exit 5B, "Market Street/

Waterfront,” less than $\frac{1}{4}$ mile from toll plaza on the right-hand side. Take Exit 5B, and stay on Market Street (west), following blue Waterfront/Aquarium signs for approximately 0.6 miles to Delaware Avenue. Make a left at Delaware Avenue, staying in the right lane. Look for the entrance to the parking area on the right less than one block after turning onto Delaware Avenue.

FROM SOUTHERN NEW JERSEY VIA I-295 NORTH: From I-295 North, take Exit 26, I-76 West/I-676 North. Follow signs for I-676 North and stay on I-676 North approximately 3 miles to Exit 5A, Martin Luther King Boulevard. Exiting the ramp in the right lane, go straight (west), follow blue “Waterfront” signs approximately 1.1 miles to Third Street. Turn right on Third Street (north) and follow it for two blocks to Market Street. Turn left at the second light, Market Street (west) and stay on Market Street for three blocks to Delaware Avenue. Make a left at Delaware Avenue (south), staying in the right lane. Look for the entrance to the parking area on the right less than one block after turning onto Delaware Avenue.

PARKING: Secured and monitored parking is conveniently located across the street from the Aquarium. Parking is complimentary for any shareholder with a valid admission card and valid, government-issued identification in the name of the shareholder. When you enter the parking facility, you will receive a parking ticket. In order to receive complimentary parking, please present your parking ticket at the registration desk for the meeting, and it will be exchanged for a pre-paid voucher for use at the exit gate.

DOING WELL BY DOING GOOD



American Water commits to further **diversity in leadership** through a partnership with Paradigm to Parity.



American Water earns **2019 Military Friendly® Bronze Employer** designation.



American Water awards **grants to local firefighters** to support the safety of local communities.



American Water employees contributed **more than 5,000 volunteer hours** to community projects during 2018.



West Virginia American Water's Kanawha Valley Plant wins **First Place** in the WV-AWWA Tap Water Taste Test.



Young artists earn funds for their schools through American Water's "Imagine a Day Without Water" art contest.



United Way awards American Water employees the **Leading the Way Award** for generosity.



Environmental Business Journal recognizes American Water for **Business Achievement**.



Peter Drucker Institute and *Wall Street Journal's* Management Top 250 has American Water as the **highest-ranked utility company**.



Philadelphia Inquirer lists American Water as a top-ranked company on **Diversity, Governance & Transparency**.

NEW IN 2019

- No. 23 on Barron's 100 Most Sustainable Companies; highest-ranked utility
- Bloomberg Gender-Equality Index



FTSE4Good



2018 Constituent
MSCI ESG
Leaders Indexes



NAACP
Equity Inclusion and Empowerment Index





[amwater.com](https://www.amwater.com)

1 Water Street | Camden, NJ 08102-1658

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| CALIFORNIA AMERICAN WATER | | | | | | | | | |
|---------------------------|----------------------|--|--|--|--|--|--|--|--|
| 2019 GENERAL RATE CASE | | | | | | | | | |
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DISCUSSION OF INFORMATION SHOWN IN THIS SECTION

This section provides a brief history of how certain professional services have been provided to the operating districts of California American Water by Service Company and the California Corporate function employees, collectively known as General Office. This information will enable the Commission and parties reviewing the proposed General Office function expenses to understand the cost impacts that changes in general external business practices, increased customer demands, evolving water quality regulations, droughts, etc. have had upon the American Water organizational structure necessary to cost-effectively provide historical services.

Operating History

Through its large and national business footprint, American Water Works Company, Inc. (American Water) has been able to pass on to California American Water and other American Water operating companies economies of scale for certain professional services that could not be achieved on a stand-alone basis. These economies were produced by employing and retaining professionals with specialized technical skills in the operation of water and wastewater systems and spreading the cost of those professionals across the customer base of all of American Water companies. These professionals were employed, trained and retained by an American Water subsidiary, American Water Works Service Company (Service Company) to be used on an as-needed and at-cost basis to supplement the skill sets of California American employees and other American Water companies providing service to customers on a day-to-day basis.

The presentation of the General Office function costs are organized into the following components:

- Chapter 2: General Office summary of earnings at present and proposed rates.
- Chapter 4: General Office costs such as labor, employee benefits, and Rate Case expenses.
- Chapter 7-9: Plant, depreciation expense and rate base are calculated as part of Chapter 7 – 9 of the RO Report.

The information presented in this section and the information regarding requested will facilitate compilation and review of all such costs in one centralized location and allow a more efficient process going forward.

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020 and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are filed as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2016 reflect salary information as of April 2019.

| Non-union Employee Salaries Inflation | | | | |
|---------------------------------------|-------------|-------------|-------------|-------------|
| | 2019 | 2020 | 2021 | 2022 |
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every reasonable effort has been made to remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the General Office include the following factors and assumptions:

**CALIFORNIA AMERICAN WATER
CA CORP
2016 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Administrative & General Expenses

Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

- Adjustment for sampling monitoring systems (SAMS) modules.
- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as wells fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

Other General Office

Table 4.1 shows General Office, Citizens Acquisition Premium, and Service Company costs. For the computation of these costs, please see the separate exhibits. These exhibits also demonstrate how those expenses were allocated to each California American Water operating district.

Table Overview

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocable General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Summary Description | Recorded Years | | | |
|----------|---|----------------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 5,786.4 | 6,375.9 | 6,646.9 | 6,717.3 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Chemicals | (0.0) | 0.0 | 0.0 | (2.0) |
| 5. | Operation Expense | 0.5 | 2.8 | 8.3 | 16.0 |
| 6. | Maintenance (excluding Amort Tank Painting) | 0.0 | 1.4 | 5.8 | 1.7 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Customer Accounting | 1,573.8 | 1,607.3 | 1,629.2 | 1,660.7 |
| 9. | Uncollectible Expense | 1,177.9 | 726.8 | 1,064.6 | 1,135.0 |
| 10. | Insurance | 2,199.5 | 3,130.1 | 2,037.8 | 1,422.4 |
| 11. | Pensions and Benefits | 1,332.7 | 1,630.4 | 2,210.6 | 2,400.8 |
| 12. | Regulatory Expenses | 1,589.9 | 473.7 | 795.9 | 1,530.1 |
| 13. | Rents | 561.8 | 597.7 | 534.2 | 698.3 |
| 14. | Other Administrative & General | 3,530.5 | 3,424.9 | 3,331.6 | 4,469.2 |
| 15. | Service Company Costs | 13,137.8 | 13,270.3 | 13,371.8 | 11,846.0 |
| 16. | Citizens Acquisition Premium | 3,812.0 | 3,681.0 | 3,550.0 | 3,495.0 |
| 17. | General Office Return on Rate Base | 1,621.8 | 1,916.0 | 2,130.7 | 1,825.2 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | Total Operating Expenses | 36,324.5 | 36,838.3 | 37,317.3 | 37,215.7 |
| 23. | Operating Expense per customer ⁽²⁾ | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Filing: Final

SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Summary Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|-----------------|---------------------------|-------------------|
| | | 2019 | 2020 | | | | |
| 1. | Labor | 7,461.9 | 7,661.2 | 7,876.5 | 8,102.5 | 5,847.6 | Exh A Ch4 Tbl 4.2 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.3 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.3 |
| 4. | Chemicals | (0.4) | (0.4) | (0.4) | (0.4) | 0.0 | Exh A Ch4 Tbl 4.3 |
| 5. | Operation Expense | 7.3 | 7.4 | 57.5 | 57.7 | 13.6 | Exh A Ch4 Tbl 4.3 |
| 6. | Maintenance (excluding Amort Tank Painting) | 2.4 | 2.4 | 2.5 | 2.5 | 0.0 | Exh A Ch4 Tbl 4.4 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 8. | Customer Accounting | 1,877.7 | 1,905.1 | 1,940.6 | 1,984.1 | 1,595.2 | Exh A Ch4 Tbl 4.3 |
| 9. | Uncollectible Expense | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.3 |
| 10. | Insurance | 1,741.8 | 1,826.8 | 3,268.7 | 3,309.6 | 2,363.5 | Exh A Ch4 Tbl 4.5 |
| 11. | Pensions and Benefits | 1,647.1 | 1,793.6 | 1,841.9 | 1,920.0 | 1,467.1 | Exh A Ch4 Tbl 4.5 |
| 12. | Regulatory Expenses | 1,591.1 | 1,591.1 | 577.0 | 2,308.0 | 1,060.8 | Exh A Ch4 Tbl 4.5 |
| 13. | Rents | 616.1 | 634.3 | 1,064.1 | 853.8 | 578.1 | Exh A Ch4 Tbl 4.5 |
| 14. | Other Administrative & General | 3,875.5 | 3,938.4 | 4,142.6 | 4,190.1 | 3,100.8 | Exh A Ch4 Tbl 4.5 |
| 15. | Service Company Costs | 12,485.9 | 12,641.8 | 12,862.6 | 13,153.3 | 11,225.7 | Service Co RO |
| 16. | Citizens Acquisition Premium | 4,216.0 | 4,233.0 | 4,251.0 | 4,272.0 | 4,201.0 | WP Citizens Acq |
| 17. | General Office Return on Rate Base | 2,278.3 | 2,990.9 | 3,460.0 | 3,569.8 | 2,324.4 | CH09 RO |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CH02 RO |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CH02 RO |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Total Operating Expenses | 37,800.8 | 39,225.7 | 41,344.6 | 43,723.2 | 33,777.8 | |
| 23. | Operating Expense per customer ⁽²⁾ | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Payroll and Employees Include Allocation of General Office

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Payroll Expense</u> | | | | | |
| 2. | Salaries | 8,276.4 | 9,408.8 | 10,061.9 | 10,135.2 | 9,735.7 |
| 3. | Overtime | 130.6 | 54.8 | (54.5) | 52.0 | 41.4 |
| 4. | Total Salaries | 8,407.1 | 9,463.6 | 10,007.4 | 10,187.2 | 9,777.2 |
| 5. | Capitalized Payroll | (2,620.6) | (3,087.7) | (3,360.5) | (3,469.9) | (3,368.6) |
| 6. | Total Net Payroll | 5,786.4 | 6,375.9 | 6,646.9 | 6,717.3 | 6,408.6 |
| 7. | Payroll per thousand customers (in \$000's) | | | | | |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | | | | | |
| 12. | | | | | | |
| 13. | Number of employees | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Year Customers (1,000's) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------|-----------------|---------------------------|--------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2018 | |
| 1. | <u>Payroll Expense</u> | | | | | | | |
| 2. | Salaries | 11,210.2 | 11,515.3 | 11,843.9 | 12,187.4 | 9,172.5 | | RO Labor |
| 3. | Overtime | 35.5 | 36.1 | 36.7 | 37.4 | 47.1 | | RO Labor |
| 4. | Total Salaries | 11,245.8 | 11,551.4 | 11,880.7 | 12,224.8 | 9,219.6 | | Ln1 + Ln2 |
| 5. | Capitalized Payroll | (3,783.8) | (3,890.3) | (4,004.2) | (4,122.3) | (3,372.0) | | RO Labor |
| 6. | Total Net Payroll | 7,461.9 | 7,661.2 | 7,876.5 | 8,102.5 | 5,847.6 | | Ln3 + Ln4 |
| 7. | Payroll per thousand customers (in \$000's) | | | | | 0.0 | | Ln3 / Ln18 |
| 8. | | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | | |
| 10. | | | | | | | | |
| 11. | # of employees per thousand customers | | | | | 0.0 | | Ln13 / Ln18 |
| 12. | | | | | | | | |
| 13. | Number of employees | 0.0 | 0.0 | 0.0 | 0.0 | 79.4 | | WPO&M-RO |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | | |
| 17. | | | | | | | | |
| 18. | End of Year Customers (1,000's) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | ExhA Tbl 3.1 / 3.2 |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
SUMMARY OF OPERATION EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | Operation Expenses (exclude payroll) | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 0.0 | 0.2 | 0.3 | 0.5 |
| 3. | SS Purchased Water | 704 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 0.0 | 2.3 | 0.1 | 0.2 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | WT Operation Labor and Expenses | 742 | 0.0 | 0.0 | 0.0 | 3.7 |
| 9. | WT Miscellaneous Expenses | 743 | (0.0) | 0.3 | 7.0 | 11.3 |
| 10. | WT Chemicals and Filtering Materials | 744 | (0.0) | 0.0 | 0.0 | (2.0) |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 0.5 | 0.0 | 1.0 | 0.3 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 245.8 | 261.0 | 312.2 | 392.8 |
| 18. | CA Miscellaneous Customer Account | 774 | 1,328.0 | 1,346.3 | 1,317.1 | 1,268.0 |
| 19. | CA Uncollectible Accounts | 775 | 1,177.9 | 726.8 | 1,064.6 | 1,135.0 |
| 20. | Divisional Allocation | | | | | |
| 21. | Total Operation Expenses | | 2,752.3 | 2,336.9 | 2,702.1 | 2,809.7 |
| 22. | O&M Expense per customer ² | | | | | 2,834.4 |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | Operation Expenses (exclude payroll) | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | O&M RO |
| 3. | SS Purchased Water | 704 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 0.7 | 0.8 | 0.8 | 0.8 | 0.0 | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 3.8 | 3.8 | 3.9 | 4.0 | 0.1 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | (0.4) | (0.4) | (0.4) | (0.4) | 0.0 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 2.0 | 2.0 | 52.1 | 52.1 | 13.0 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 569.1 | 576.8 | 587.9 | 601.7 | 268.6 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 1,308.6 | 1,328.3 | 1,352.7 | 1,382.5 | 1,326.6 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | |
| 21. | Total Operation Expenses | | 1,884.6 | 1,912.1 | 1,997.7 | 2,041.4 | 1,608.8 | |
| 22. | O&M Expense per customer ⁽²⁾ | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|------|------|------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | Maintenance Expenses | | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | PP Maintenance of Other Pumping | 733 | 0.0 | 0.0 | 5.8 | 0.0 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.0 | 0.1 | 0.0 | 0.0 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Maintenance of Transmission and Distr | 761 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 0.0 | 0.0 | 0.0 | 0.1 |
| 18. | TD Maintenance of Meters | 764 | 0.0 | 0.0 | 0.0 | 1.9 |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 0.0 | 1.3 | 0.0 | 1.7 |
| 21. | Total Maintenance Expenses | | 0.0 | 1.4 | 5.8 | 1.7 |
| 22. | O&M Expense per customer | | | | | 3.0 |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Filing: Final

SUMMARY OF MAINTENANCE EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 0.4 | 0.4 | 0.4 | 0.4 | 0.0 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | O&M RO |
| 21. | Total Maintenance Expenses | | 2.4 | 2.4 | 2.5 | 2.5 | 0.0 | |
| 22. | O&M Expense per customer ² | | | | | | | |

Filing:

| Line No. | Description | PUC Acct # | Recorded Years | | | | |
|----------|---|------------|----------------|---------|---------|----------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| | <u>Administrative & General Expenses</u> | | | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | AG Office Supplies and Other Exp | 792 | 176.1 | 174.8 | 202.1 | 216.7 | 235.0 |
| 3. | AG Property Insurance | 793 | 433.9 | 424.1 | 363.0 | 346.5 | 341.6 |
| 4. | AG Injuries and Damages | 794 | 1,765.6 | 2,706.0 | 1,674.8 | 1,075.9 | 1,765.5 |
| 5. | AG Employees' Pensions and Benefits | 795 | 1,332.7 | 1,630.4 | 2,210.6 | 2,400.8 | 2,048.2 |
| 6. | AG Regulatory Commission Expenses | 797 | 1,589.9 | 473.7 | 795.9 | 1,530.1 | 301.3 |
| 7. | AG Outside Services Employed | 798 | 824.4 | 782.7 | 917.4 | 1,643.8 | 1,446.9 |
| 8. | AG Miscellaneous General Expenses | 799 | 2,275.2 | 2,155.0 | 1,723.5 | 2,051.0 | 1,538.8 |
| 9. | AG Maintenance of General Plant | 805 | 254.7 | 312.3 | 488.7 | 557.7 | 467.2 |
| 10. | AG Rents | 811 | 561.8 | 597.7 | 534.2 | 698.3 | 714.7 |
| 11. | | | | | | | |
| 12. | | | | | | | |
| 13. | | | | | | | |
| 14. | | | | | | | |
| 15. | | | | | | | |
| 16. | | | | | | | |
| 17. | | | | | | | |
| 18. | | | | | | | |
| 19. | | | | | | | |
| 20. | | | | | | | |
| 21. | Total Administrative & General Exp | | 9,214.3 | 9,256.9 | 8,910.2 | 10,520.8 | 8,859.3 |
| 22. | O&M Expense per customer ² | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Filing: Final

SUMMARY OF A&G EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | <u>Administrative \$ General Expenses</u> | | | | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 204.3 | 207.4 | 211.2 | 215.8 | 191.1 | O&M RO |
| 3. | AG Property Insurance | 793 | 664.8 | 733.6 | 2,155.5 | 2,171.9 | 399.4 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 1,077.0 | 1,093.1 | 1,113.2 | 1,137.7 | 1,964.2 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 1,647.1 | 1,793.6 | 1,841.9 | 1,920.0 | 1,467.1 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 1,591.1 | 1,591.1 | 577.0 | 2,308.0 | 1,060.8 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 1,141.7 | 1,158.8 | 1,311.6 | 1,305.1 | 767.3 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 2,106.5 | 2,142.9 | 2,182.5 | 2,222.3 | 1,936.0 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 423.0 | 429.4 | 437.3 | 446.9 | 206.4 | O&M RO |
| 10. | AG Rents | 811 | 616.1 | 634.3 | 1,064.1 | 853.8 | 578.1 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 9,471.7 | 9,784.2 | 10,894.4 | 12,581.6 | 8,570.4 | |
| 22. | O&M Expense per customer ² | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | Recorded Years | | | |
|-------------|---|----------------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 5,786.4 | 6,375.9 | 6,646.9 | 6,717.3 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Chemicals | (0.0) | 0.0 | 0.0 | (2.0) |
| 5. | Operation Expense | 0.5 | 2.8 | 8.3 | 16.0 |
| 6. | Maintenance (excluding Amort Tank Painting) | 0.0 | 1.4 | 5.8 | 1.7 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Customer Accounting | 1,573.8 | 1,607.3 | 1,629.2 | 1,660.7 |
| 9. | Uncollectible Expense | 1,177.9 | 726.8 | 1,064.6 | 1,135.0 |
| 10. | Insurance | 2,199.5 | 3,130.1 | 2,037.8 | 1,422.4 |
| 11. | Pensions and Benefits | 1,332.7 | 1,630.4 | 2,210.6 | 2,400.8 |
| 12. | Regulatory Expenses | 1,589.9 | 473.7 | 795.9 | 1,530.1 |
| 13. | Rents | 561.8 | 597.7 | 534.2 | 698.3 |
| 14. | Other Administrative & General | 3,530.5 | 3,424.9 | 3,331.6 | 4,469.2 |
| 15. | Service Company Costs | 13,137.8 | 13,270.3 | 13,371.8 | 11,846.0 |
| 16. | Citizens Acquisition Premium | 3,812.0 | 3,681.0 | 3,550.0 | 3,495.0 |
| 17. | General Office Return on Rate Base | 1,621.8 | 1,916.0 | 2,130.7 | 1,825.2 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|------|------|------|--|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | |
| 1. | Labor | | | | | | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | | | | | | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | | | | | | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | | | | | | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | | | | | | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | | | | | | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | | | | | | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | | | | | | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | | | | | | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | | | | | | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | | | | | | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | | | | | | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | | | | | | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | | | | | | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | | | | | | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | | | | | | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | | | | | | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | | | | | | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | | | | | | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated and Projected Years | | | |
|----------|---|-------------------------------|----------|----------|----------|
| | | 2019 | 2020 | 2021 | 2022 |
| 1. | Labor | 7,461.9 | 7,661.2 | 7,876.5 | 8,102.5 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Chemicals | (0.4) | (0.4) | (0.4) | (0.4) |
| 5. | Operation Expense | 7.3 | 7.4 | 57.5 | 57.7 |
| 6. | Maintenance (excluding Amort Tank Painting) | 2.4 | 2.4 | 2.5 | 2.5 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Customer Accounting | 1,877.7 | 1,905.1 | 1,940.6 | 1,984.1 |
| 9. | Uncollectible Expense | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Insurance | 1,741.8 | 1,826.8 | 3,268.7 | 3,309.6 |
| 11. | Pensions and Benefits | 1,647.1 | 1,793.6 | 1,841.9 | 1,920.0 |
| 12. | Regulatory Expenses | 1,591.1 | 1,591.1 | 577.0 | 2,308.0 |
| 13. | Rents | 616.1 | 634.3 | 1,064.1 | 853.8 |
| 14. | Other Administrative & General | 3,875.5 | 3,938.4 | 4,142.6 | 4,190.1 |
| 15. | Service Company Costs | 12,485.9 | 12,641.8 | 12,862.6 | 13,153.3 |
| 16. | Citizens Acquisition Premium | 4,216.0 | 4,233.0 | 4,251.0 | 4,272.0 |
| 17. | General Office Return on Rate Base | 2,278.3 | 2,990.9 | 3,460.0 | 3,569.8 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|------|------|------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | | | | | | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | | | | | | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | | | | | | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | | | | | | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | | | | | | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | | | | | | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | | | | | | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | | | | | | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | | | | | | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | | | | | | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | | | | | | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | | | | | | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | | | | | | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | | | | | | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | | | | | | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | | | | | | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | | | | | | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | | | | | | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | | | | | | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses 1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|------------------------|---|---|---------|--------|--------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | 10.2% | 4.3% | 1.1% | -4.6% |
| 2. | Purchased Water | N/A | N/A | N/A | N/A | N/A |
| 3. | Purchased Power | N/A | N/A | N/A | N/A | N/A |
| 4. | Chemicals | N/A | -367.8% | -70.8% | ##### | -100.0% |
| 5. | Operation - Source of Supply (SS) | N/A | 455.6% | 193.2% | 93.5% | 1.1% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | N/A | 317.0% | -71.1% | 81.7% |
| 7. | Amortization of Tank Painting | N/A | N/A | N/A | N/A | N/A |
| 8. | Customer Accounting | N/A | 2.1% | 1.4% | 1.9% | 4.7% |
| 9. | Uncollectible Expense | N/A | -38.3% | 46.5% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 42.3% | -34.9% | -30.2% | 48.1% |
| 11. | Pensions and Benefits | N/A | 22.3% | 35.6% | 8.6% | -14.7% |
| 12. | Regulatory Expenses | N/A | -70.2% | 68.0% | 92.3% | -80.3% |
| 13. | Rents | N/A | 6.4% | -10.6% | 30.7% | 2.4% |
| 14. | Other Administrative & General | N/A | -3.0% | -2.7% | 34.1% | -17.5% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | -3.4% | -3.6% | -1.5% | 20.2% |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | | | | | | |
| 23. | | | | | | |
| Calculation Reference: | | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |

Note: % calculations include allocation of General Office costs

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | | | |
| 1. | Labor | 16.4% | 2.7% | 2.8% | 2.9% | 34.7% |
| 2. | Purchased Water | N/A | N/A | N/A | N/A | N/A |
| 3. | Purchased Power | N/A | N/A | N/A | N/A | N/A |
| 4. | Chemicals | N/A | 1.5% | 1.8% | 2.2% | ##### |
| 5. | Operation - Source of Supply (SS) | -55.0% | 1.5% | 678.2% | 0.3% | 321.8% |
| 6. | Maintenance (excluding Amort Tank Painting) | -20.5% | 1.5% | 1.8% | 2.2% | N/A |
| 7. | Amortization of Tank Painting | N/A | N/A | N/A | N/A | N/A |
| 8. | Customer Accounting | 8.0% | 1.5% | 1.9% | 2.2% | 21.7% |
| 9. | Uncollectible Expense | -100.0% | N/A | N/A | N/A | N/A |
| 10. | Insurance | -17.3% | 4.9% | 78.9% | 1.3% | 38.3% |
| 11. | Pensions and Benefits | -19.6% | 8.9% | 2.7% | 4.2% | 25.5% |
| 12. | Regulatory Expenses | 428.1% | 0.0% | -63.7% | 300.0% | -45.6% |
| 13. | Rents | -13.8% | 2.9% | 67.8% | -19.8% | 84.1% |
| 14. | Other Administrative & General | 5.1% | 1.6% | 5.2% | 1.1% | 33.6% |
| 15. | Service Company Costs | 6.2% | 1.2% | 1.7% | 2.3% | 14.6% |
| 16. | Citizens Acquisition Premium | 0.4% | 0.4% | 0.4% | 0.5% | 1.2% |
| 17. | General Office Return on Rate Base | 10.1% | 31.3% | 15.7% | 3.2% | 48.9% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 23. | Note: % calculations include allocation of General Office costs | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|--------|---------|---------|--------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| | <u>Payroll Expense</u> | | | | | |
| 1. | Salaries | N/A | 13.7% | 6.9% | 0.7% | -3.9% |
| 2. | Overtime | N/A | -58.1% | -199.4% | -195.5% | -20.3% |
| 3. | Total Salaries | N/A | 12.6% | 5.7% | 1.8% | -4.0% |
| 4. | Capitalized Payroll | N/A | 17.8% | 8.8% | 3.3% | -2.9% |
| 5. | Total Net Payroll | N/A | 10.2% | 4.3% | 1.1% | -4.6% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | N/A | | | | |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | N/A | | | | |
| 12. | | | | | | |
| 13. | Number of employees | N/A | N/A | N/A | N/A | N/A |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | N/A | N/A | N/A | N/A |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Filing: Final

PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: % calculations include allocation of General Office costs

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2018 |
| 1. | Salaries | 15.1% | 2.7% | 2.9% | 2.9% | 29.1% |
| 2. | Overtime | -14.3% | 1.7% | 1.7% | 1.8% | -22.0% |
| 3. | Total Salaries | 15.0% | 2.7% | 2.9% | 2.9% | 28.9% |
| 4. | Capitalized Payroll | 12.3% | 2.8% | 2.9% | 2.9% | 18.7% |
| 5. | Total Net Payroll | 16.4% | 2.7% | 2.8% | 2.9% | 34.7% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | | | | | N/A |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | | | | | N/A |
| 12. | | | | | | |
| 13. | Number of employees | N/A | N/A | N/A | N/A | -100.0% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | N/A | N/A | N/A | N/A |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|-------------|--------------------------------|---------------|----------------|-------|-------|-------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 1. | Ad Valorem | 507 | 3.0 | 4.8 | 9.7 | 17.9 |
| 2. | Franchise Taxes | 507 | 0.0 | 0.0 | 29.4 | (0.1) |
| 3. | Payroll Taxes | 507 | 396.1 | 459.4 | 479.3 | 404.2 |
| 4. | Other | 507 | 0.0 | 0.8 | 0.5 | 2.2 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 399.2 | 465.0 | 518.9 | 424.2 |
| 9. | Other Tax Expense per customer | | | | | 412.0 |

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--------------------------------|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | Ad Valorem | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | OTAX RO |
| 2. | Franchise Taxes | 507 | 6.0 | 6.0 | 6.2 | 6.3 | 0.0 | OTAX RO |
| 3. | Payroll Taxes | 507 | 445.7 | 453.2 | 460.9 | 468.8 | 411.1 | OTAX RO |
| 4. | Other | 507 | 0.8 | 0.8 | 0.9 | 0.9 | 4.3 | OTAX RO |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | Total Other Taxes | | 452.5 | 460.1 | 467.9 | 475.9 | 415.4 | |
| 9. | Other Tax Expense per customer | | | | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the General Office function of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 14,582.6 | 16,628.8 | 24,274.2 | 25,855.8 | 26,276.4 |
| 2. | Gross Additions During Year | 2,499.6 | 7,649.4 | 1,581.5 | 516.9 | 2,697.8 |
| 3. | Retirements | 453.5 | 3.9 | 0.0 | 96.2 | 1,363.3 |
| 4. | Sales and Adjustments | 0.0 | (0.0) | 0.0 | 0.0 | 0.0 |
| 5. | Net Additions | 2,046.2 | 7,645.5 | 1,581.5 | 420.7 | 1,334.4 |
| 6. | Construction Work in Progress Beg. Bal. | 1,866.6 | 2,253.6 | 1,505.1 | 2,183.1 | 4,853.4 |
| 7. | Construction Work in Progress End Bal. | 2,253.6 | 1,505.1 | 2,183.1 | 4,853.4 | 7,883.4 |
| 8. | Net Change During Year - CWIP | 387.0 | (748.4) | 677.9 | 2,670.3 | 3,030.0 |
| 9. | Total Beg. Utility Plant and CWIP | 16,449.2 | 18,882.3 | 25,779.4 | 28,038.8 | 31,129.8 |
| 10. | Net Additions - Total | 2,433.1 | 6,897.0 | 2,259.5 | 3,091.0 | 4,364.5 |
| 11. | 6 Year Average Weighting Factor (1) | 71.47% | 71.47% | 71.47% | 71.47% | 71.47% |
| 12. | Weighted Average Utility Plant | 18,188.2 | 23,811.6 | 27,394.2 | 30,248.0 | 34,249.1 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|--|---|-----------|----------|---------------------|-----------------|---------------------------|-------------|
| | | 2019 | 2020 | | | | |
| 1. | Plant in Service Beg. of Year | 27,610.9 | 32,868.3 | 42,652.2 | 48,651.3 | 26,081.7 | PLT RO |
| 2. | Gross Additions During Year | 5,281.8 | 9,809.0 | 6,027.2 | 5,983.0 | 2,346.8 | PLT RO |
| 3. | Retirements | 24.3 | 25.2 | 28.1 | 27.9 | 43.9 | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | L5-L2+L3 |
| 5. | Net Additions | 5,257.5 | 9,783.9 | 5,999.1 | 5,955.1 | 2,302.8 | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 7,883.4 | 7,883.4 | 7,883.4 | 7,883.4 | 1,505.1 | PLT RO |
| 7. | Construction Work in Progress End Bal. | 7,883.4 | 7,883.4 | 7,883.4 | 7,883.4 | 1,505.1 | L7+L6 |
| 8. | Net Change During Year - CWIP | (0.0) | 0.0 | (0.0) | 0.0 | 0.0 | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 35,494.3 | 40,751.8 | 50,535.6 | 56,534.8 | 27,586.8 | L1+L6 |
| 10. | Net Additions - Total | 5,257.5 | 9,783.9 | 5,999.1 | 5,955.1 | 2,302.8 | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 71.47% | 71.47% | 71.47% | 71.47% | 73.28% | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 39,251.8 | 47,744.3 | 54,823.2 | 60,790.9 | 29,274.3 | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|-------------------------------|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 14,582.6 | 16,628.8 | 24,274.2 | 25,855.8 | 26,276.4 |
| 2. | Gross Additions During Year | 2,499.6 | 7,649.4 | 1,581.5 | 516.9 | 2,697.8 |
| 3. | MISC Adjustments | 0.0 | (0.0) | 0.0 | 0.0 | 0.0 |
| 4. | Less Retirements | 453.5 | 3.9 | 0.0 | 96.2 | 1,363.3 |
| 5. | Plant in Service End. of Year | 16,628.8 | 24,274.2 | 25,855.8 | 26,276.4 | 27,610.9 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|-------------------------------|-----------|----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | 2018 | |
| 1. | Plant in Service Beg. of Year | 27,610.9 | 32,868.3 | 42,652.2 | 48,651.3 | 26,081.7 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 5,281.8 | 9,809.0 | 6,027.2 | 5,983.0 | 2,346.8 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 24.3 | 25.2 | 28.1 | 27.9 | 43.9 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 32,868.3 | 42,652.2 | 48,651.3 | 54,606.4 | 28,384.5 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 18,188.2 | 23,811.6 | 27,394.2 | 30,248.0 | 34,249.1 |
| 2. | Average Customers | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | | | | | |
| 4. | Change in Weighted Average Utility Plant | N/A | 5,623.5 | 3,582.6 | 2,853.8 | 4,001.1 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 30.92% | 15.05% | 10.42% | 13.23% |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | N/A | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 39,251.8 | 47,744.3 | 54,823.2 | 60,790.9 | 29,274.3 | 25,548.9 | EXA Tbl 7.1 |
| 2. | Average Customers | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | | | | | | | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 5,002.7 | 8,492.5 | 7,078.9 | 5,967.7 | N/A | 25,548.9 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 14.61% | 21.64% | 14.83% | 10.89% | N/A | 87.27% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | | | | | N/A | | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the General Office of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its General Office. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the Central Division.

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

Calculation of Weighted Average Plant Reserve

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|--|----------------|-----------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 2,408.8 | 3,112.5 | 3,168.0 | 4,613.9 | 6,102.3 |
| 2. | Annual Accrual Including CIAC Depreciation | 1,606.1 | 1,285.2 | 1,445.9 | 1,585.1 | 1,635.0 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 453.5 | 3.9 | 0.0 | 96.2 | 1,363.3 |
| 5. | (Salvage) and Cost of Removal | (2.6) | 0.0 | 0.0 | 0.0 | (6.0) |
| 6. | Depreciation Reserve Adjustments | (446.4) | (1,225.8) | 0.0 | (0.4) | (0.0) |
| 7. | | | | | | |
| 8. | Net Accrual | 703.7 | 55.5 | 1,445.9 | 1,488.4 | 265.7 |
| 9. | 6 Year Average Weighting Factor (1) | 50.00% | 50.00% | 50.00% | 50.00% | 50.00% |
| 10. | Weighted Average Depreciation | 351.9 | 27.8 | 722.9 | 744.2 | 132.9 |
| 11. | Weighted Average Deprecation Reserve | 2,760.6 | 3,140.2 | 3,890.9 | 5,358.1 | 6,235.2 |
| (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|---------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 6,368.1 | 8,493.9 | 11,081.1 | 14,166.8 | 6,175.5 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 2,150.1 | 2,612.4 | 3,113.7 | 3,639.9 | 1,869.6 | DEPR RO |
| 3. | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 24.3 | 25.2 | 28.1 | 27.9 | 43.9 | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | |
| 8. | Net Accrual | 2,125.8 | 2,587.3 | 3,085.6 | 3,612.0 | 1,825.6 | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 50.00% | 50.00% | 50.00% | 50.00% | 50.00% | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 1,062.9 | 1,293.6 | 1,542.8 | 1,806.0 | 912.8 | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 7,431.0 | 9,787.5 | 12,624.0 | 15,972.8 | 7,088.3 | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 2,408.8 | 3,112.5 | 3,168.0 | 4,613.9 | 6,102.3 |
| 2. | Annual Accrual Including CIAC Depreciation | 1,606.1 | 1,285.2 | 1,445.9 | 1,585.1 | 1,635.0 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 453.5 | 3.9 | 0.0 | 96.2 | 1,363.3 |
| 4. | (Salvage) and Cost of Removal | (2.6) | 0.0 | 0.0 | 0.0 | (6.0) |
| 5. | Depreciation Reserve Adjustments | (446.4) | (1,225.8) | 0.0 | (0.4) | (0.0) |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 3,112.5 | 3,168.0 | 4,613.9 | 6,102.3 | 6,368.1 |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|----------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 6,368.1 | 8,493.9 | 11,081.1 | 14,166.8 | 6,175.5 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 2,150.1 | 2,612.4 | 3,113.7 | 3,639.9 | 1,869.6 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 24.3 | 25.2 | 28.1 | 27.9 | 43.9 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 8,493.9 | 11,081.1 | 14,166.8 | 17,778.8 | 8,001.1 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in General Office plant. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-----------|-----------|-----------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 18,188.2 | 23,811.6 | 27,394.2 | 30,248.0 | 34,249.1 |
| 2. | Materials and Supplies | 14.4 | 11.1 | 2.3 | 15.8 | 7.9 |
| 3. | Working Cash, Operational | 104.6 | (1,738.7) | (1,534.0) | (5,123.1) | (1,906.1) |
| 4. | Working Cash, Lead Lag | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SUBTOTAL | 18,307.1 | 22,084.0 | 25,862.5 | 25,140.7 | 32,350.9 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (2,760.6) | (3,140.2) | (3,890.9) | (5,358.1) | (6,235.2) |
| 9. | Advances for Construction | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Unamortized Advances (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Contributions in Aid of Construction | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Accumulated Deferred Federal Income Taxes | (1,632.7) | (2,353.2) | (3,218.7) | (3,453.2) | (3,457.3) |
| 14. | Accumulated Deferred State Income Taxes | (452.4) | (687.3) | (1,067.5) | (1,179.8) | (1,080.8) |
| 15. | SUBTOTAL DEDUCTIONS | (4,845.7) | (6,180.7) | (8,177.2) | (9,991.1) | (10,773.4) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 13,461.4 | 15,903.2 | 17,685.3 | 15,149.6 | 21,577.6 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 420.0 | 496.2 | 551.8 | 472.7 | 541.6 |

CALIFORNIA-AMERICAN WATER COMPANY

CAW Corporate - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|------------|---------------------|------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2018 | |
| 1. | Weighted Average Utility Plant in Service | 39,251.8 | 47,744.3 | 54,823.2 | 60,790.9 | | 29,274.3 | RB RO |
| 2. | Materials and Supplies | 11.0 | 11.1 | 11.3 | 11.6 | | 0.0 | RB RO |
| 3. | Working Cash, Operational | (3,362.5) | (1,863.9) | (877.1) | (1,910.2) | | 1,314.0 | RB RO |
| 4. | Working Cash, Lead Lag | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 5. | SUBTOTAL | 35,900.3 | 45,891.5 | 53,957.4 | 58,892.2 | | 30,588.3 | Sum (L1:L4) |
| 6. | | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (7,431.0) | (9,787.5) | (12,624.0) | (15,972.8) | | (7,088.3) | RB RO |
| 9. | Advances for Construction | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | 0.00 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 11. | Contributions in Aid of Construction | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (3,643.4) | (3,843.3) | (4,108.3) | (4,419.2) | | (3,572.2) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (1,073.6) | (1,078.2) | (1,152.8) | (1,282.8) | | (1,152.6) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (12,147.9) | (14,708.9) | (17,885.1) | (21,674.8) | | (11,813.1) | Sum (L7:L14) |
| 16. | | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 23,752.4 | 31,182.6 | 36,072.3 | 37,217.4 | | 18,775.1 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | | 2.51% | RB RO |
| 19. | Rate Making Interest | 596.2 | 782.7 | 905.4 | 934.2 | | 471.3 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$13,461.4 | \$15,903.2 | \$17,685.3 | \$15,149.6 | \$21,577.6 |
| 2. | Average Customers | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | | | | | |
| 4. | Change in Weighted Average Rate Base | N/A | 2,441.8 | 1,782.1 | (2,535.7) | 6,428.0 |
| 5. | Percent of Increase in Weighted Average Rate Base | N/A | 18.14% | 11.21% | -14.34% | 42.43% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
CAW Corporate - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|---|------------|------------|---------------------|------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2018 | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$23,752.4 | \$31,182.6 | \$36,072.3 | \$37,217.4 | \$37,217.4 | \$18,775.1 | \$17,297.2 | RB RO |
| 2. | Average Customers | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | ExAch3 TBL3.4,3.5 |
| 3. | Weighted Average Rate Base Per Avg. Customer | | | | | | | | L1/L2 |
| 4. | Change in Weighted Average Rate Base | 2,174.8 | 7,430.2 | 4,889.7 | 1,145.1 | 1,145.1 | N/A | 17,297.2 | Calculated |
| 5. | Percent of Increase in Weighted Average Rate Base | 10.08% | 31.28% | 15.68% | 3.17% | 3.17% | N/A | 92.13% | Calculated |
| 6. | Percent of Incr. in Wgtd Avg Rate Base Per Customer | | | | | | N/A | | L2/L5 |

[illegible]

| CHAPTER | TABLE | EXHIBIT DESCRIPTION |
|-----------|----------------------|--|
| Chapter 1 | | INTRODUCTION AND SUMMARY OF APPLICATION |
| | Chapter Introduction | Discusses Historical And Present Operations And Primary Causes For Proposed Rate Increases |
| | | |
| Chapter 2 | | HISTORICAL AND PROJECTED SUMMARY OF EARNINGS |
| | Chapter Introduction | Discusses Summary Of Earnings Details |
| | Table 2.1 | Comparative Summary of Earnings for Test Year at Present and Proposed Rates |
| | Table 2.2 | Summary of Earnings At Proposed Rates |
| | Table 2.3 | Summary of Earnings at Present Rates |
| | Table 2.4 | Summary of Revenue Requirement Calculation |
| | | |
| | | |
| Chapter 3 | | OPERATING REVENUES |
| | Chapter Introduction | Discusses Calculation Of Operating Revenues |
| | Table 3.1 | Customers at Year End - Recorded |
| | Table 3.2 | Customers at Year End - Authorized - Proposed |
| | Table 3.3 | Calculation of the Percent of Increase in Customers at Year End - Authorized - Recorded - Proposed |
| | Table 3.4 | Average Number of Customers - Recorded |
| | Table 3.5 | Average Number of Customers - Authorized - Proposed |
| | Table 3.6 | Calculation of the Percent of Increase in Average Number of Customers - Auth - Rec - Prop |
| | Table 3.7 | Ave Annual Cons Per Cust - Recorded |
| | Table 3.8 | Ave Annual Cons Per Cust - Authorized - Proposed |
| | Table 3.9 | Calculation of the Percent of Increase in Ave Annual Cons Per Cust - Auth - Rec - Prop |
| | Table 3.10 | Annual Consumption (ccf) - Recorded |
| | Table 3.11 | Annual Consumption (ccf) - Authorized - Proposed |
| | Table 3.12 | Calculation of the Percent of Increase in Annual Consumption - Auth - Rec - Propo |
| | Table 3.13 | Water Production (Kccf) - Recorded |
| | Table 3.14 | Water Production (Kccf) - Authorized - Proposed |
| | Table 3.15 | Calculation of Percent of Increase in Water Production - Auth - Rec - Prop |
| | Table 3.16 | Comparison of Revenue By Customer Class at Present and Proposed Rates |
| | Table 3.17 | Operating Revenues at Present Rate - Recorded |
| | Table 3.18 | Operating Revenues at Present Rate - Authorized - Proposed |
| | Table 3.19 | Calculation of Percent of Increase in Operating Revenue at Present Rates - Auth - Rec - Prop |
| | Table 3.20 | Operating Revenues at Proposed Rate - Recorded |
| | Table 3.21 | Operating Revenues at Proposed Rate - Authorized - Proposed |
| | Table 3.22 | Calculation of Percent of Increase in Operating Revenue at Proposed Rates - Auth - Rec - Prop |
| | Table 3.23 | Operating Revenues Per Customer - Recorded |
| | Table 3.24 | Operating Revenues Per Customer - Authorized - Proposed |
| | | |
| | | |
| Chapter 4 | | OPERATING EXPENSES |
| | Chapter Introduction | Discusses Summary Of Operating Expense Information |
| | Table 4.1 | Summary of Total Operating Expenses - Recorded-Authorized-Proposed |
| | Table 4.2 | Payroll Expense |
| | Table 4.3 | Summary of Operation Expenses - Recorded-Authorized-Proposed |
| | Table 4.4 | Summary of Maintenance Expenses - Recorded-Authorized-Proposed |
| | Table 4.5 | Summary of A&G Expenses - Recorded-Authorized-Proposed |
| | Table 4.6a | Expenses Per Customer-Recorded Years |
| | Table 4.6b | Expenses Per Customer-Projected Years |
| | Table 4.7 | Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | Table 4.8 | Payroll Expense Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | | |

NORTHERN DIVISION

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DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER – NORTHERN DIVISION

This chapter contains information regarding the operation of the Northern Division of California American Water as well as tables that summarize the primary causes of the requested rate increase for customers of the district. The Northern Division includes the Sacramento, Larkfield and Meadowbrook Districts. In this application, California American Water has also include the acquisition of the Fruitridge Vista Water Company and the Hillview Water Company, both of which have been included as part of the Northern Division.

OVERVIEW OF THE SACRAMENTO DISTRICT OPERATION

The following information regarding the corporate and operating history and current day-to-day operations of the Sacramento District of California American Water will assist the California Public Utilities Commission (“CPUC”) and parties reviewing this Application in understanding the development of the district, the unique nature of the service territory and other issues faced by the district throughout its history that have shaped the present operation.

Also discussed are issues that are being addressed by the district in order to continue to provide quality service to the customers it serves and issues faced by the district on a daily basis as consideration is given to whether the requested increase in revenue requirements will be adequate to continue to address daily service needs.

HISTORY OF THE SACRAMENTO DISTRICT OPERATION

In 1928, the Public Utilities Corporation (the name was later changed to Citizens Utilities Company of California on November 14, 1949) purchased the North Sacramento Light and Water Company. Citizens Utilities Company of California was a wholly-owned subsidiary of the Public Utilities Consolidated Corporation, incorporated in Arizona on July 23, 1927. All property and assets of Public Utilities Consolidated Corporation were acquired by Citizens Utilities Company on November 30, 1935.

On March 30, 1956 Citizens Utilities Company purchased the Parkway Water Company that had provided water service to a subdivision known as Parkway Estates in South Sacramento for two years. Citizens Utility Company also purchased the water facilities in the Cordova Towne area south of the American River in East Sacramento from S. and J. Homes on September 24,

1956 as authorized by the CPUC in Decisions 53807 and 53808. The nearby Rosemont service area was acquired from Rosemont Development Company on October 31, 1956 as authorized by the CPUC in Decision 38126. These various service areas were consolidated into the Citizens Suburban Company, which was a wholly-owned subsidiary of Citizens Utilities Company.

Royal Oaks Water Company purchased water system properties in northwestern Sacramento County on March 12, 1957 as authorized by the CPUC in Decision 54680. Fremont Valley Water Company purchased the water system properties in the City of Isleton in southern Sacramento County on April 18, 1961 as authorized by the CPUC in Decision 61841. Fremont Valley Water Company was then incorporated as Isleton Water Company on April 24, 1961. Much of the service area in North Sacramento, with the exception of the present Arden system was purchased by the City of North Sacramento on May 25, 1962 upon completion of condemnation proceedings. On June 22, 1965, Citizens Suburban Company, Parkway Water Company, Royal Oaks Water Company, Lincoln Oaks Water Company and Isleton Water Company were merged with Citizens Utilities Company of California as authorized by the CPUC in Decision 69258.

On February 15, 1991 Citizens Utilities Company of California purchased the assets of Walnut Grove Water Service as authorized by the CPUC in Decision 91-01-032. On October 28, 1994, Citizens Utilities Company of California was granted a franchise to commence the installation and maintenance of water systems in West Placer County. In January 2002, American Water Works Company, Inc. purchased the water and wastewater assets of Citizens Utilities Company including Citizens Utilities of California. For operating purposes, the service areas of Citizens Utilities Company of California became part of California American Water, a wholly-owned subsidiary of American Water. The acquisition and organization were authorized by the CPUC in Decision 01-09-057.

PRESENT OPERATIONS OF THE SACRAMENTO DISTRICT

District Operations and Personnel

The Sacramento District Operation Center is part of California American Water's Northern Division and is located at 4701 Beloit Drive, Sacramento, California. This facility provides accommodations for administrative, distribution and production employees as well as housing for trucks, equipment and materials and supplies needed to provide daily water service.

Presently, there are 60 employees that work in the Northern Division. This number includes the Northern Division General Manager, Operations Manager, 2, Superintendents, 4 Supervisors and 4 Foreman. The remaining 48 employees are administrative staff or employees assigned to Production and Distribution system activities. Some of the Sacramento staff also provide management oversight and administrative assistance to other operating areas within Northern Division, including the Larkfield District and Meadowbrook, which are included in the total of 60 employees.

Service Areas

The Sacramento District is located near the geographical center of the Central Valley of California at the confluence of the Sacramento and American Rivers. Water service is provided to areas within Sacramento, Placer, Yolo and Sonoma Counties, including areas north, east and south of the City of Sacramento, an area west of the City of Roseville in Placer County, the smaller communities of Isleton and Walnut Grove located southwest of the City of Sacramento, Dunnigan located in Yolo County, Geyserville located in Sonoma County north of the Company's existing Larkfield District and Oxbow located near the Isleton system. The Sacramento District currently operates thirteen distinct water systems. These 13 systems are consolidated into one for rate making purposes. They are Antelope, Arden, Isleton, Lincoln Oaks, Parkway, Rosemont, Security Park, Suburban, Walnut Grove, West Placer, Dunnigan, Geyserville and Oxbow. The Dunnigan system was acquired by Dunnigan Water Works on December 31, 2015 as authorized in D.15-11-012. The Dunnigan system is located in Yolo County along Interstate 5, about eighteen miles northwest of the City of Woodland. The Geyserville system is located in Sonoma County and was acquired by Harry K. Bosworth and Karen R. Bosworth (dba Geyserville Water Works (U-113-W) in D.16-11-014 on November 17, 2016. The Oxbow purchase was granted by the CPUC on June 11, 2015 in Resolution W.5042

The Oxbow Mutual Water Company ("Oxbow"), located about one mile from the Isleton system and Geyserville Water Works ("Geyserville") in Sonoma County. The purchase of Oxbow was granted by the CPUC on June 11, 2015 in Resolution W-5042. Advice Letter 1170-A dated November 29, 2017 approved final rates for Oxbow that occurred after the pipeline interconnecting the system with the Isleton system was completed. California American Water includes a request to incorporate Geyserville into the Sacramento District for both operational and ratemaking purposes.

Day to day operations are managed by the Sacramento District office and a single tariff applies to customers included within the Sacramento District. This single tariff was implemented as part of the 2016 GRC (A.16-07-002) with final decision D.18-12-021. Dunnigan wastewater customers are billed based on a separate set of tariffs.

Sources of Water Supply

The water supply for the Sacramento District comes mainly from more than 100 groundwater wells located strategically throughout the service areas. A small percentage is purchased treated surface water. Treated surface water is obtained through water supply agreements between California American Water and both the City of Sacramento and the Placer County Water Agency. Limited, interruptible amounts of water are also obtained from Sacramento Suburban Water District under the terms of the applicable purchase agreement. The source of supply for the Dunnigan water system is groundwater from two wells, one of which is treated for Hexavalent Chromium, the other is a standby source. The source of supply for the West Placer system is purchased water under agreement with Placer County Water Agency. The source of supply for the Antelope system is groundwater from 17 wells, some of which are treated for Hexavalent Chromium. The system also purchases water under a wholesale agreement from Sacramento Suburban Water through two metered interconnections. The source of supply for the Lincoln Oaks system is groundwater from 26 wells. The system also purchases water under a wholesale agreement from Sacramento Suburban Water through one metered connection and has emergency connections to the Citrus Heights Water District.

The source of supply for the Arden system is groundwater from five wells. There is current work to create a wholesale connection to the City of Sacramento system allowing for water to be purchased through a metered connection at that location under a current wholesale agreement. The source of supply for the Suburban Rosemont system is groundwater from 29 wells, some of which are treated for Perfluorooctanoic acid (PFOAs). The system also purchases water under a wholesale agreement with the City of Sacramento through a metered connection and the Sacramento County Water Agency at the Mather Tank location. The source of supply for the Security Park system is ground water from one well. The system also purchases small amounts of treated water under a wholesale agreement with the Sacramento County Water Agency. This connection is intended to increase in use as build out occurs within the Security Park system. The source of supply for the Parkway system is groundwater from 23 wells. Some of these well sources are pumped to three treatment plants. Treatment is for arsenic, iron and

manganese. Other contaminants that are treated for at well sites in Parkway system include hexavalent chromium. The system also purchases water under a wholesale agreement with the City of Sacramento.

The source of supply for Walnut Grove is ground water from two wells. One of the well sources is treated for arsenic, iron and manganese through a treatment plant. The other well is a standby source. The source of supply for Isleton is groundwater from five wells. Two of these wells are located at an arsenic, iron and manganese removal plant and the others are standby sources. Finally, the source of supply for the Geyserville system is groundwater from three wells.

OVERVIEW OF THE LARKFIELD DISTRICT OPERATION

The following information regarding the corporate and operating history and current day-to-day operations of the Larkfield District of California American Water will assist the California Public Utilities Commission ("CPUC") and parties reviewing this Application in understanding the development of the district, the unique nature of the service territory and other issues faced by the district throughout its history that have shaped the present operation.

Also discussed are issues that are being addressed by the district in order to continue to provide quality service to the customers it serves and issues faced by the district on a daily basis as consideration is given to whether the requested increase in revenue requirements will be adequate to continue to address daily service needs.

HISTORY OF THE LARKFIELD DISTRICT OPERATION

Construction of the original water system serving the Larkfield area began in 1959. The work was performed by general contractor Orvan M. Berry. The Larkfield Water Company, a California corporation organized June 15, 1959 was established to acquire and operate the water system being constructed by Mr. Berry. On December 19, 1959 the Larkfield Water Company was granted a certificate of Public convenience and necessity from the CPUC. The CPUC also authorized the Larkfield Water Company to install and operate future extensions from the water system acquired from Mr. Berry.

Rapid growth in the Larkfield area from 1959 through 1966 necessitated raising capital to finance construction of facilities needed to provide service to customers of Larkfield Water

Company. The capital needs exceeded investments already funded by depreciation and reinvested earnings. As a result, the common stock of the Larkfield Water Company increased from \$50,600 in 1962 to \$200,000 at the end of 1966.

In 1967 all of the common stock of Larkfield Water Company was acquired by Citizens Utilities Company of California and merged into that company in 1995. In 2002, American Water Works Company, Inc. ("American Water") purchased the assets of Citizens Utilities Company that provided water and wastewater service to its customers, including those providing water services to the Larkfield area. As a result of this purchase, Larkfield became one of the operating districts of California American Water which is a wholly-owned subsidiary of American Water. This transaction was authorized by the CPUC in January 2002 in Decision (D.)01-09-057.

On October 8, 2017, Sonoma County experienced the devastating Atlas and Tubbs wildfires, which burned over 36,000 acres and destroyed 7,500 structures. On October 9, Governor Jerry Brown officially issued an emergency proclamation declaring a state of emergency due to the October wildfires. California American Water's Larkfield District had about 2,400 customers in Sonoma County, these wildfires destroyed 559 structures in the district, including 530 residences and 29 non-residential customers, including schools and businesses. California American Water's operations and facilities were also significantly impacted. California American Water lost its Upper Wikiup Tank, pump station and backup power. Further, California American Water lost many other above-ground and in-ground infrastructure such as mains, services, hydrants, and other necessary water service plants. California American Water issued a Do Not Consume notice on Monday, October 9, 2017, which it began lifting in most of the service area on Monday, October 16, 2017. California American Water communicated extensively with its customers during and after the fires. The company used media, social media and emergency reverse 911 phone messages, texts and emails to provide customers with critical water quality information during the event. In addition, our representatives attended and spoke at multiple community meetings hosted by the State of California, Sonoma County, Mark West Union School District and the City of Santa Rosa. In the wake of the disaster, the company issued letters to customers who lost their property about the final billing process and provided information to local websites and social media accounts to help get the message out.

PRESENT OPERATIONS OF THE LARKFIELD DISTRICT

District Operations and Personnel

The Operation Center for the Larkfield District is located at 640 Larkfield Center, Santa Rosa, California. The Water Treatment Facility, located at 5040 Old Redwood Highway provides accommodations for distribution and production employees, housing for all trucks and equipment as well as a portion of the materials and supplies used by Larkfield employees to provide day-to-day service to customers.

Presently, there are 6 employees that work directly from the Larkfield office with a request in this application to authorize the 6th employee. The Larkfield operation is part of the Northern Division of California American Water. Administrative staff located in Sacramento provides management oversight and administrative assistance to Larkfield and the various operating areas of the Northern Division.

Service Areas

The Larkfield District presently provides public utility water service to an unincorporated portion of Sonoma County about four miles north of the City of Santa Rosa, California. Generally, the service area is divided into three parts, all of which are served by one interconnected distribution system. The service area also includes two subdivided areas, the communities of Larkfield and Wikiup that are located along the eastern border of U.S. Highway 101, and the community of Fulton that is located west of U.S. Highway 101.

The Larkfield community subdivision and the community of Fulton are located on relatively flat terrain. The Wikiup community rises sharply to the north. These areas vary in elevation from approximately 150 feet to 550 feet above sea level. As a result, the water distribution system, tanks, and pumps have been designed to utilize the differences in elevations within the service area through separate pressure zones.

Sources of Water Supply

The source of supply for the Larkfield system is groundwater from four wells, all of which are pumped to a plant treating for arsenic and manganese removal. The system also purchases water under a wholesale water agreement with Sonoma County Water Agency through one metered connection. The source of supply for the Geyserville system is groundwater from three wells.

OVERVIEW OF THE MEADOWBROOK DISTRICT OPERATION

The following information regarding the corporate and operating history and current day-to-day operations of the Meadowbrook District of California American Water will assist the California Public Utilities Commission ("CPUC") and parties reviewing this Application in understanding the development of the district, the unique nature of the service territory and other issues faced by the district throughout its history that have shaped the present operation.

Also discussed are issues that are being addressed by the district in order to continue to provide quality service to the customers it serves and issues faced by the district on a daily basis as consideration is given to whether the requested increase in revenue requirements will be adequate to continue to address daily service needs.

HISTORY OF THE MEADOWBROOK DISTRICT OPERATION

Meadowbrook provides potable water (plus irrigation to 317 acres) to approximately 1,695 (Acquisition application -- 1,600 residential, 95 commercial/industrial) metered connections serving a permanent population of approximately 6,500 people. The commercial/industrial services include two elementary schools, three mobile home parks, one migrant housing facility, a meat packaging company, small retail businesses and three cement mixing plants. In the future, additional housing and a school are planned to be built in Meadowbrook's service area.

Originally incorporated in California in 1979, Meadowbrook became an S Corporation in 1983. According to its most recent GRC, the Meadowbrook ratebase of \$1.96 million had a revenue requirement of \$877,000 at a 12.25 percent rate of return. Economically, Meadowbrook fits the definition of a disadvantaged community (DAC) as the majority of the Merced Region is considered a DAC. The communities Meadowbrook serves, the Franklin/Beachwood areas, are considered as DACs, given the poor economic conditions that exist in the area.

On December 1, 2016, the Commission approved the acquisition of the Meadowbrook Water Company of Merced, Inc by California American Water through approval of D.16-12-014. This decision also approved the consolidation of the Meadowbrook service area into California

American Water's Sacramento District for ratemaking purposes and into its Northern Division (of which the Sacramento District is a part) for operational purposes.¹ In addition to consolidating the Meadowbrook customers into the Sacramento District's revenue requirement, it also would have meant moving them onto the Sacramento District's rate design and rates. Because the average customer consumption of the acquired Meadowbrook system was so much higher than that of the existing Sacramento District customers, moving them immediately to Sacramento rates would have resulted in an average rate increase of 236%. Thus, in the pending rate case proceeding (A.16-07-002), California American Water requested maintaining the current Meadowbrook rate design through 2020.

PRESENT OPERATIONS OF THE MEADOWBROOK DISTRICT

District Operations and Personnel

The Meadowbrook operation are managed out of the Sacramento Operations Center, located at 4701 Beloit Drive, Sacramento, California. This facility provides accommodations for administrative, distribution and production employees as well as housing for trucks, equipment and materials and supplies needed to provide daily water service. Presently, there are 2 employees that support Meadowbrook. Administrative staff located in Sacramento provides management oversight and administrative assistance to Meadowbrook and the various operating areas of the Northern Division.

Service Areas

Prior to acquisition, Meadowbrook Water was is a Commission-regulated Class C public water utility. Its service area is in Merced County, California, where the company provides service to approximately 1,638 connections (per acquisition application), all of which are metered. An estimated 1,600 of those connections are for residential use. The remainder are for commercial use, including two schools and a meat processing facility. Meadowbrook Water maintains three wells, which use pneumatic tanks to regulate pressure.

Fred Walker Sr. and Fred Walker Jr. built Meadowbrook Water to serve their rental homes beginning in 1955. Over the years, the system grew as more property owners subdivided

¹ D.16-12-014, pp. 5-6.

and built homes. In 1980, the company was incorporated, and Fred Walker Jr. began divesting the shares to his children, the four of which currently own the system. His son David Walker has run it since 2003.

Since 2003, the number of connections Meadowbrook Water serves has increased by more than 400, meters have been installed for all connections, a SCADA (supervisory control and data acquisition) system was installed, and VFD (variable frequency drive) controls were installed on all motors.

Sources of Water Supply

The Meadowbrook system is completely reliant on groundwater from the Merced Groundwater Sub-Basin. The Sub-Basin is one of 21 basins in the State of California identified by the California Department of Water Resources as critically over-drafted and one of 48 basins considered high priority. Consistent with the requirements of the Sustainable Groundwater Management Act (“SGMA”), water management and land management agencies in the Merced Sub-Basin have formed three Groundwater Sustainability Agencies (“GSAs”): the Merced Irrigation-Urban Groundwater Sustainability Agency (“MIUGSA”); the Merced Sub-basin Groundwater Sustainability Agency (“MSGSA”); and the Turner Island Water District Groundwater Sustainability Agency. The three GSAs are collaborating on developing one Groundwater Sustainability Plan (“Plan”) for the entire Merced Groundwater Sub-Basin by January 2020. To develop the Plan, the GSAs will review groundwater conditions and identify means to ensure the long-term sustainability of the Merced Groundwater Sub-Basin.

Portions of Meadowbrook’s service area are included in both the MIUGSA and the MSGSA, with most connections and production facilities in the MIUGSA boundary. California American Water attends the monthly Stakeholder Committee meetings to ensure that the interests of Meadowbrook customers are considered in the process. It is estimated that the sustainable yield of the sub-basin is about 530,000 AF annually, which includes 130,000 AF of developed surface water supplies. This sustainable yield is believed to be significantly less than current pumping. To meet the goals of SGMA, it is likely that the 400,000 AF of groundwater will be allocated among the various users. The current target is for allocations to be finalized in 2025 and become effective in 2030.

OVERVIEW OF THE FRUITRIDGE VISTA DISTRICT OPERATION

Fruitridge is a Commission-regulated Class B public water utility. Its service area is located in Sacramento County adjacent to California American Water's Sacramento District Parkway service area. Fruitridge provides service to approximately 4,760 connections (approximately 3,850 residential connections, and the remainder commercial). The system's water supply comes from 16 operational wells, two interties and associated booster pump stations with the City of Sacramento distribution system, and one valved intertie with the California American Water distribution system. Water produced by the wells is pumped directly into the Fruitridge distribution system. Hydropneumatic tanks, located at most well sites, prevent well pumps from excessive start/stop cycling. The wells are controlled by the pressure in the distribution system. Sodium hypochlorite is injected at each of the wells.

Fruitridge's sources, distribution systems, and customer base are all very similar to those of California American Water's Sacramento district and will be supported by that operational team along with the two additional positions, an Operations Specialist and an Operations Supervisor, California American Water seeks in connection with the system acquisition. Among other things, these two positions are needed to manage day-to-day operations in the Fruitridge service area. The Operations Supervisor will direct the day-to-day management, development and operations of the facilities and personnel. The Operations Specialist will support the Operations Supervisors in the Sacramento District performing advanced secretarial and administrative duties; including daily front-desk reception coverage. Because of the synergies created by Fruitridge being adjacent to the Sacramento District, California American Water is only requesting two positions, which is a sizeable reduction from the numerous positions Fruitridge currently has in rates.

California American Water is committed to a smooth transition of the Fruitridge Vista Water Company's system into its current operations. The acquisition will be a tuck-in that will fold into the Sacramento District and be operated with the requested positions of Operations Supervisor and Operations Specialist as well as current Sacramento District staff.

OVERVIEW OF THE HILLVIEW DISTRICT OPERATION

Hillview, U-194-W, is a Class C public utility water company whose service territory is located in Madera County in and around Oakhurst, California. It provides service to 1,147 residential and 146 private fire customers. Hillview operates four water systems:

- 1) Oakhurst-Sierra Lakes System, serving the City of Oakhurst, California;
- 2) Coarsegold Highlands Water System, serving a small community near

Coarsegold, California; 3) Goldside Water System, serving the Goldside service area, California; 4) Raymond Water System, serving the community of Raymond, California.

Each water system is supplied by wells and has its own storage and distribution systems. All customer services have water meters that must be manually read each month. Hillview is a groundwater-based system with more than 30 active wells treated for various contaminants including Uranium, Arsenic, Iron, and Manganese. Hillview also operates twenty different pressure zones, which poses significant operational complexities. Hillview has struggled with compliance related to naturally occurring uranium in its water source in two of the four systems it operates and received notices of current non-compliance from the Division of Drinking Water. The current management has worked to solve these challenges. For example, Hillview has constructed new Uranium, Arsenic, Iron & Manganese removal treatment plants at the Hillview, Sierra Lakes and Raymond locations. In addition, Hillview installed a new 550gpm Iron & Manganese removal treatment plant at its Forest Ridge site along with two new 200,000 gallon storage tanks which will be used to blend the high TDS Forest Ridge water 50/50 with treated Sierra Lakes water to reduce the Total Dissolved Solids to an acceptable level. Hillview will also be refurbishing the old Forest Ridge 200 gpm Iron & Manganese removal treatment plant relocated to Coarsegold Highlands and the old Sierra Lakes 500 gpm Iron & Manganese removal treatment plant relocated to Goldside. Once the refurbishing of the two plants is completed, Hillview will have treatment plants in five locations with two of the locations having two different types of treatment at those sites and a substantial increase in the regulatory burden.

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables that summarize earnings information and calculations at present and proposed rates presented as follows:

Table 2.1 – Comparative Summary of Earnings

This table contains a detailed summary of earnings for the 2021 Test Year at present and proposed rates as filed by California American Water. The table also contains columns for the inclusion and comparison of a detailed summary of earnings for the 2021 Test Year at present and proposed rates that will be filed by the California Public Advocates (Cal PA) during the processing of the application. For further comparison, the table contains a column for details of the summary of earnings for the 2021 Test Year adopted by the CPUC in its final decision regarding this application.

Table 2.2 – Summary of Earnings at Proposed Rates

This table contains a detailed summary of earnings for 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year at Proposed rates as filed by California American Water in this application.

Table 2.3 – Summary of Earnings at Present Rates

This table contains a detailed summary of earnings for the recorded years 2014-2018, Estimated Years 2019 and 2020, Test Year 2021, Escalation Year 2022, and Attrition Year 2023 at present rates. A comparison to these amounts to the adopted amounts from the most recent rate case filed by California American Water at proposed rates is also included.

Table 2.4 – Summary of Revenue Requirement Calculation

This table contains calculations of revenue requirements for the 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year based on financial information presented by California American Water in this application.

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
COMPARATIVE SUMMARY OF EARNINGS
FOR TEST YEAR AT PRESENT AND PROPOSED RATES

Filing: **Final**

| (\$ 1,000's) | At Present Rates | | At Proposed Rates | | Adopted Rates |
|--------------------------------|------------------|--------|-------------------|--------|---------------|
| Description | CAW | CAL PA | CAW | CAL PA | CPUC |
| Operating Revenues | 66,874.5 | 0.0 | 72,462.6 | 0.0 | 0.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 8,938.6 | 0.0 | 8,938.6 | 0.0 | 0.0 |
| Purchased Water | 3,780.7 | 0.0 | 3,780.7 | 0.0 | 0.0 |
| Purchased Power | 2,612.2 | 0.0 | 2,612.2 | 0.0 | 0.0 |
| Chemicals | 292.5 | 0.0 | 292.5 | 0.0 | 0.0 |
| Operation and Maintenance | 2,991.4 | 0.0 | 2,991.4 | 0.0 | 0.0 |
| Customer Accounting | 746.1 | 0.0 | 746.1 | 0.0 | 0.0 |
| Uncollectibles | 348.2 | 0.0 | 377.3 | 0.0 | 0.0 |
| Insurance | 1,393.2 | 0.0 | 1,393.2 | 0.0 | 0.0 |
| Pensions and Benefits | 2,226.5 | 0.0 | 2,226.5 | 0.0 | 0.0 |
| Regulatory Expense | 219.0 | 0.0 | 219.0 | 0.0 | 0.0 |
| Rents | 458.9 | 0.0 | 458.9 | 0.0 | 0.0 |
| Other Administrative & General | 4,016.6 | 0.0 | 4,016.6 | 0.0 | 0.0 |
| Subtotal | 28,023.8 | 0.0 | 28,052.9 | 0.0 | 0.0 |
| Service Company | 4,881.1 | 0.0 | 4,881.1 | 0.0 | 0.0 |
| Citizens Acquisition Premium | 1,742.9 | 0.0 | 1,742.9 | 0.0 | 0.0 |
| GO Return on Rate Base | 1,313.0 | 0.0 | 1,313.0 | 0.0 | 0.0 |
| Return on and of UPAA | 1,716.8 | 0.0 | 1,716.8 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M Expenses | 37,677.6 | 0.0 | 37,706.7 | 0.0 | 0.0 |
| Depreciation | 12,307.9 | 0.0 | 12,307.9 | 0.0 | 0.0 |
| General Taxes | 2,900.1 | 0.0 | 2,900.1 | 0.0 | 0.0 |
| Total Operating Expenses | 52,885.6 | 0.0 | 52,914.6 | 0.0 | 0.0 |
| Income Before Income Taxes | 13,989.0 | 0.0 | 19,548.0 | 0.0 | 0.0 |
| State Income Taxes | 761.3 | 0.0 | 1,252.7 | 0.0 | 0.0 |
| Federal Income Taxes | 710.9 | 0.0 | 1,878.3 | 0.0 | 0.0 |
| Total Income Taxes | 1,472.2 | 0.0 | 3,131.0 | 0.0 | 0.0 |
| Utility Operating Income | 12,516.7 | 0.0 | 16,416.9 | 0.0 | 0.0 |
| Rate Base | 215,728.4 | 0.0 | 215,728.4 | 0.0 | 0.0 |
| Return on Rate Base | 5.80% | 0.00% | 7.61% | 0.00% | 0.00% |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
SUMMARY OF EARNINGS AT PROPOSED RATES

Filing:

Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|---|------------------------|--------------------|-------------------|------------|
| | 2021 | 2022 | 2023 | |
| Operating Revenues | 72,462.6 | 76,765.4 | 80,593.4 | Tbl 2.4 |
| Operation & Maintenance Exp | | | | |
| Labor | 8,938.6 | 9,182.0 | 9,395.0 | Tbl 2.3 |
| Purchased Water | 3,780.7 | 3,814.8 | 3,814.8 | Tbl 2.3 |
| Purchased Power | 2,612.2 | 2,675.4 | 2,675.4 | Tbl 2.3 |
| Chemicals | 292.5 | 299.0 | 305.9 | Tbl 2.3 |
| Operation Expense | 1,578.1 | 1,397.2 | 1,424.2 | Tbl 2.3 |
| Maintenance (excluding Amort Tank Painting) | 933.4 | 954.0 | 975.2 | Tbl 2.3 |
| Amortization of Tank Painting | 479.9 | 513.6 | 525.5 | Tbl 2.3 |
| Customer Accounting | 746.1 | 762.8 | 775.2 | Tbl 2.3 |
| Uncollectible Expense | 377.3 | 399.7 | 398.0 | Tbl 2.3 |
| Insurance | 1,393.2 | 1,412.1 | 1,432.4 | Tbl 2.3 |
| Pensions and Benefits | 2,226.5 | 2,322.5 | 2,376.4 | Tbl 2.3 |
| Regulatory Expenses | 219.0 | 875.8 | 875.8 | Tbl 2.3 |
| Rents | 458.9 | 380.4 | 382.0 | Tbl 2.3 |
| Other Administrative & General | 4,016.6 | 3,996.9 | 4,068.9 | Tbl 2.3 |
| Service Company Costs | 4,881.1 | 4,991.4 | 5,111.7 | Tbl 2.3 |
| Citizens Acquisition Premium | 1,742.9 | 1,751.5 | 1,760.5 | Tbl 2.3 |
| General Office Return on Rate Base | 1,313.0 | 1,354.7 | 1,396.3 | Tbl 2.3 |
| Return on and of UPAA | 1,716.8 | 1,680.9 | 1,645.1 | Tbl 2.3 |
| Sam Clemente Dam | 0.0 | 0.0 | 0.0 | |
| Total O&M expenses | 37,706.7 | 38,764.6 | 39,338.5 | Calculated |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC

SUMMARY OF EARNINGS AT PROPOSED RATES

Filing:

Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|---|------------------------|--------------------|-------------------|--|
| | 2021 | 2022 | 2023 | |
| (\$ 1,000's) Depreciation General Taxes Total Operating Expenses Income Before Income Taxes | 12,307.9 | 13,399.8 | 14,491.7 | Tbl 2.3 / CH02 RO Calculated Calculated |
| | 2,900.1 | 3,229.9 | 3,592.0 | |
| | 52,914.6 | 55,394.4 | 57,422.3 | |
| | 19,548.0 | 21,371.1 | 23,171.2 | |
| State Income Taxes Federal Income Taxes Total Income Taxes Utility Operating Income | 1,252.7 | 1,372.0 | 1,489.3 | Tbl 6.2 Tbl 6.2 Calculated Calculated |
| | 1,878.3 | 2,144.3 | 2,389.3 | |
| | 3,131.0 | 3,516.3 | 3,878.5 | |
| | 16,416.9 | 17,854.8 | 19,292.6 | |
| Average Rate Base | 215,728.4 | 234,622.6 | 253,516.8 | Tbl 2.3 Calculated |
| Return on Rate Base | 7.61% | 7.61% | 7.61% | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
SUMMARY OF EARNINGS AT PRESENT RATES
(\$ 1,000's)

Filing: Final

| Description | Recorded Years | | | | |
|---|----------------|-----------|-----------|-----------|-----------|
| | 2014 | 2015 | 2016 | 2017 | 2018 |
| Operating Revenues | 51,075.2 | 46,391.1 | 47,396.6 | 53,464.3 | 55,220.2 |
| Operation & Maintenance Exp | | | | | |
| Labor | 6,436.3 | 6,531.1 | 6,866.3 | 7,014.4 | 6,759.9 |
| Purchased Water | 1,656.5 | 1,655.3 | 1,577.9 | 2,198.3 | 1,909.1 |
| Purchased Power | 2,116.4 | 1,811.5 | 1,918.6 | 1,950.7 | 1,957.8 |
| Chemicals | 295.5 | 237.8 | 263.9 | 293.9 | 292.0 |
| Operation Expense | 1,094.4 | 1,043.4 | 1,286.6 | 1,505.4 | 1,825.9 |
| Maintenance (excluding Amort Tank Painting) | 682.3 | 728.5 | 885.7 | 945.9 | 823.3 |
| Amortization of Tank Painting | 186.3 | 215.5 | 156.0 | 152.9 | 154.9 |
| Customer Accounting | 579.7 | 586.0 | 592.8 | 605.3 | 631.1 |
| Uncollectible Expense | 423.3 | 279.9 | 382.6 | 407.9 | 388.1 |
| Insurance | 854.3 | 1,188.4 | 821.4 | 597.6 | 816.2 |
| Pensions and Benefits | 1,609.8 | 2,247.4 | 2,089.8 | 2,138.6 | 1,817.8 |
| Regulatory Expenses | 571.3 | 170.2 | 286.0 | 550.5 | 108.3 |
| Rents | 239.5 | 269.6 | 235.6 | 311.0 | 312.6 |
| Other Administrative & General | 3,174.2 | 3,290.5 | 3,220.8 | 3,852.7 | 3,679.1 |
| Service Company Costs | 4,721.2 | 4,768.8 | 4,805.3 | 4,257.0 | 4,225.9 |
| Citizens Acquisition Premium | 1,562.9 | 1,509.2 | 1,455.5 | 1,433.0 | 1,722.4 |
| General Office Return on Rate Base | 582.8 | 688.5 | 765.7 | 655.9 | 743.8 |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M expenses | 26,786.7 | 27,221.6 | 27,610.4 | 28,870.9 | 28,168.2 |
| Depreciation | 8,468.3 | 8,101.6 | 8,854.4 | 9,268.3 | 9,981.5 |
| General Taxes | 2,391.4 | 2,428.7 | 2,660.9 | 2,509.0 | 2,741.4 |
| Total Operating Expenses | 37,646.3 | 37,751.9 | 39,125.7 | 40,648.2 | 40,891.1 |
| Income Before Income Taxes | 13,429.0 | 8,639.2 | 8,270.9 | 12,816.1 | 14,329.1 |
| State Income Taxes | 782.7 | 343.9 | 272.3 | 638.1 | 858.7 |
| Federal income Taxes | 2,825.0 | 1,241.1 | 982.8 | 2,303.0 | 1,859.6 |
| Total Income Taxes | 3,607.7 | 1,585.0 | 1,255.1 | 2,941.1 | 2,718.3 |
| Utility Operating Income | 9,821.3 | 7,054.2 | 7,015.8 | 9,875.0 | 11,610.7 |
| Average Rate Base | 147,748.0 | 153,557.6 | 167,460.5 | 181,886.8 | 187,617.9 |
| Return on Rate Base | 6.65% | 4.59% | 4.19% | 5.43% | 6.19% |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC

SUMMARY OF EARNINGS AT PRESENT RATES

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| (\$ 1,000's) | Description | | | | | Estimated | | Projected Test Year 2021 | Escalation | | Attrition Year 2023 | Last Authorized Test Year 2018 | | Reference |
|---|-------------|-----------|-----------|-----------|-----------|-----------|--------------------|--------------------------------|------------|--|---------------------------|---|--|-----------|
| | 2019 | 2020 | 2021 | 2022 | 2023 | 2018 | 2018 | | | | | | | |
| | | | | | | | | | | | | | | |
| Operating Revenues | 66,567.3 | 66,722.8 | 66,874.5 | 72,621.2 | 76,765.4 | 57,730.7 | Ch 3,Tbl 3.17-3.18 | | | | | | | |
| Operation & Maintenance Exp | | | | | | | | | | | | | | |
| Labor | 8,485.5 | 8,705.1 | 8,938.6 | 9,182.0 | 9,395.0 | 6,316.0 | Ch 4, Tbl 4.1 | | | | | | | |
| Purchased Water | 3,767.9 | 3,774.3 | 3,780.7 | 3,814.8 | 3,814.8 | 2,959.7 | Ch 4, Tbl 4.1 | | | | | | | |
| Purchased Power | 2,516.0 | 2,559.4 | 2,612.2 | 2,675.4 | 2,675.4 | 2,269.1 | Ch 4, Tbl 4.1 | | | | | | | |
| Chemicals | 283.0 | 287.3 | 292.5 | 299.0 | 305.9 | 271.1 | Ch 4, Tbl 4.1 | | | | | | | |
| Operation Expense | 1,101.0 | 1,177.6 | 1,578.1 | 1,397.2 | 1,424.2 | 1,469.5 | Ch 4, Tbl 4.1 | | | | | | | |
| Maintenance (excluding Amort Tank Painting) | 903.0 | 916.5 | 933.4 | 954.0 | 975.2 | 2,184.8 | Ch 4, Tbl 4.1 | | | | | | | |
| Amortization of Tank Painting | 304.4 | 511.8 | 479.9 | 513.6 | 525.5 | 352.3 | Ch 4, Tbl 4.1 | | | | | | | |
| Customer Accounting | 721.9 | 732.4 | 746.1 | 762.8 | 775.2 | 590.0 | Ch 4, Tbl 4.1 | | | | | | | |
| Uncollectible Expense | 346.6 | 347.4 | 348.2 | 378.1 | 378.1 | 323.8 | Ch 4, Tbl 4.1 | | | | | | | |
| Insurance | 808.8 | 843.2 | 1,393.2 | 1,412.1 | 1,432.4 | 904.8 | Ch 4, Tbl 4.1 | | | | | | | |
| Pensions and Benefits | 1,986.7 | 2,159.8 | 2,226.5 | 2,322.5 | 2,376.4 | 1,572.1 | Ch 4, Tbl 4.1 | | | | | | | |
| Regulatory Expenses | 603.8 | 603.8 | 219.0 | 875.8 | 875.8 | 385.5 | Ch 4, Tbl 4.1 | | | | | | | |
| Rents | 287.1 | 294.8 | 458.9 | 380.4 | 382.0 | 314.6 | Ch 4, Tbl 4.1 | | | | | | | |
| Other Administrative & General | 3,667.9 | 3,804.1 | 4,016.6 | 3,996.9 | 4,068.9 | 3,107.9 | Ch 4, Tbl 4.1 | | | | | | | |
| Service Company Costs | 4,738.2 | 4,797.3 | 4,881.1 | 4,991.4 | 5,111.7 | 4,079.6 | Ch 4, Tbl 4.1 | | | | | | | |
| Citizens Acquisition Premium | 1,728.6 | 1,735.5 | 1,742.9 | 1,751.5 | 1,760.5 | 1,722.4 | Ch 4, Tbl 4.1 | | | | | | | |
| General Office Return on Rate Base | 864.6 | 1,135.0 | 1,313.0 | 1,354.7 | 1,396.3 | 844.7 | Ch 4, Tbl 4.1 | | | | | | | |
| Return on and of UPAA | 0.0 | 0.0 | 1,716.8 | 1,680.9 | 1,645.1 | | Ch 4, Tbl 4.1 | | | | | | | |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | Ch 4, Tbl 4.1 | | | | | | | |
| Total O&M expenses | 33,115.0 | 34,385.4 | 37,677.6 | 38,743.1 | 39,318.6 | 29,667.8 | Calculated | | | | | | | |
| Depreciation | 10,407.8 | 11,360.3 | 12,307.9 | 13,399.8 | 14,491.7 | 9,055.6 | SE RO | | | | | | | |
| General Taxes | 2,546.1 | 2,661.8 | 2,900.1 | 3,229.9 | 3,592.0 | 2,356.1 | Ch 5, Tbl 5.1 | | | | | | | |
| Total Operating Expenses | 46,068.9 | 48,407.5 | 52,885.6 | 55,372.8 | 57,402.3 | 41,079.5 | Calculated | | | | | | | |
| Income Before Income Taxes | 20,498.4 | 18,315.4 | 13,989.0 | 17,248.4 | 19,363.1 | 16,651.2 | Calculated | | | | | | | |
| State Income Taxes | 1,414.4 | 1,178.5 | 761.3 | 1,007.6 | 1,152.7 | 1,088.8 | Ch 6, Tbl 6.1-6.2 | | | | | | | |
| Federal Income Taxes | 3,062.9 | 2,502.7 | 710.9 | 1,278.5 | 1,589.6 | 2,320.7 | Ch 6, Tbl 6.1-6.2 | | | | | | | |
| Total Income Taxes | 4,477.3 | 3,681.2 | 1,472.2 | 2,286.1 | 2,742.2 | 3,409.5 | Calculated | | | | | | | |
| Utility Operating Income | 16,021.1 | 14,634.2 | 12,516.7 | 14,962.4 | 16,620.9 | 13,241.7 | Calculated | | | | | | | |
| Average Rate Base | 180,680.5 | 200,015.4 | 215,728.4 | 234,622.6 | 253,516.8 | 174,002.8 | Ch 9, Tbl 9.1 | | | | | | | |
| Return on Rate Base | 8.87% | 7.32% | 5.80% | 6.38% | 6.56% | 7.61% | Calculated | | | | | | | |

SUMMARY OF REVENUE REQUIREMENT CALCULATION

| (\$ 1,000's) | Projected Test Year | Escalation Year | Attrition Year | |
|--|------------------------|--------------------|-------------------|---------------|
| Description | 2021 | 2022 | 2023 | Reference |
| Weighted Average Rate Base | 215,728.4 | 234,622.6 | 253,516.8 | Ch 9, Tbl 9.1 |
| Rate of Return Requested | 7.61% | 7.61% | 7.61% | |
| Utility Operating Income Required | 16,416.9 | 17,854.8 | 19,292.6 | Calculated |
| At Present Rates | 12,516.7 | 14,962.4 | 16,620.9 | Ch 2, Tbl 2.3 |
| Increase (Decrease) in UOI Required | 3,900.2 | 2,892.4 | 2,671.7 | Calculated |
| Net to Gross Multiplier | 1.43278 | 1.43277 | 1.43278 | CH02 RO |
| Gross Revenues | | | | |
| Incr (Decr) in Revenues Required | 5,588.1 | 4,144.2 | 3,828.0 | Calculated |
| Revenues at Present Rates | 66,874.5 | 72,621.2 | 76,765.4 | Ch 2, Tbl 2.3 |
| Revenues at Proposed Rates | 72,462.6 | 76,765.4 | 80,593.4 | Calculated |
| Percent Incr (Decr) in Revenues | 8.36% | 5.71% | 4.99% | Calculated |
| 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DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables used to forecast customers, water sales and operating revenues as filed by California American Water in this application and is presented as follows:

Table 3.1 through Table 3.6

These tables contain information regarding projections of the number of customers for the Northern Division, which includes Sacramento, Larkfield, Meadowbrook, Dunnigan Wastewater, Fruitridge Vista, and Hillview Districts of California American Water presented in this application. The number of customers forecasted to be served by the district during 2019 through 2022 was determined by using a five year historical growth average and adjusted for growth due to acquisitions, if applicable.

Table 3.7 through 3.15

These tables contain water sales and water production information for the Northern Division of California American Water as filed in this application. An average use per customer is determined based on total consumption divided by the number of billed days.

Consumption estimates for the Test Year 2021 and Escalation Year 2022 are derived from the average use per customer for the last recorded year multiplied against the projected average number of customers per classification.

Table 3.16 through 3.22

These tables contain operating revenue information for the Northern Division of California American Water presented in this application.

Revenues at present rates for the 2019-2020 result from forecasted customers and sales presented in this Chapter and rates currently or anticipated to be in effect. For this calculation, California American Water included surcharges for purchased water offsets as part of base revenues since these are rolled back into base rates at the start of the Test Year.

Revenues at proposed rates for 2021 and 2022 are determined by taking the proposed service and volumetric rates necessary to meet California American Water's projected

revenue requirement multiplied by forecasted customers and sales. The revenues result from applying the overall proposed increase as determined in the revenue requirement to all of the present rates from the preceding year.

Miscellaneous Service revenues for the 2021 Test Year include forecasted amounts related to Non Sufficient Funds (NSF) fees, Reconnection and Late Fees, Antenna Lease, and Deferred Contribution to Revenues. Conservation and PUC fees have been excluded as they represent charges that are separate and above the base revenue requirement. The presentation in this chapter does not reflect any effects from surcharges requested in this application. However, California American Water has included surcharges in its bill impact analysis where applicable.

Method 5 Amortization revenue is based on the amortization of deferred Contribution in Aid of Construction revenues from Table 9.1.

California American Water
Northern Division - 2019 GRC
CUSTOMERS AT YEAR END
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 54,846 | 55,106 | 55,633 | 56,933 | 57,553 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 5,165 | 5,131 | 5,162 | 5,014 | 5,189 |
| 6. | Industrial | INDR | 1 | 1 | 1 | 1 | 1 |
| 7. | Public Authority | OPUA | 356 | 360 | 361 | 349 | 349 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 16 | 1 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 873 | 896 | 928 | 929 | 930 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 1 | 1 | 1 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 61,257 | 61,495 | 62,086 | 63,227 | 64,023 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

California American Water
Northern Division - 2019 GRC
CUSTOMERS AT YEAR END
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|---|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 58,697 | 60,276 | 60,614 | 60,952 | 61,290 | 61,628 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 5,222 | 5,827 | 5,861 | 5,894 | 5,928 | 5,961 |
| 5. | Industrial | INDR | 1 | 92 | 92 | 92 | 92 | 92 |
| 6. | Public Authority | OPUA | 357 | 350 | 351 | 352 | 353 | 354 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 4 | 0 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 145 | 145 | 145 | 145 | 145 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PPPS | 1,004 | 930 | 930 | 930 | 930 | 930 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 3,176 | 3,176 | 3,176 | 3,176 | 3,176 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 1 | 1 | 1 | 1 | 1 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| 23. | TOTAL | | 65,285 | 70,797 | 71,170 | 71,542 | 71,915 | 72,287 |
| | | | | | | | | |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

California American Water
Northern Division - 2019 GRC
CUSTOMERS AT YEAR END

Filing: Final

CALCULATION OF PERCENT CHANGE IN CUSTOMERS AT YEAR END

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|---------|----------|--------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.47% | 0.96% | 2.34% | 1.09% | 4.73% | 0.56% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -0.66% | 0.60% | -2.87% | 3.49% | 12.30% | 0.57% |
| 6. | Industrial | INDR | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 9100.00% | 0.00% |
| 7. | Public Authority | OPUA | N/A | 1.12% | 0.28% | -3.32% | 0.00% | 0.29% | 0.28% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -93.75% | -100.00% | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 2.63% | 3.57% | 0.11% | 0.11% | 0.00% | 0.00% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | 0.00% | 0.00% | 0.00% | 0.00% |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | 0.43% | 0.68% | 1.40% | 1.55% | 10.58% | 0.52% |
| References: Recorded year % calculated by dividing the # customers by prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr # customers by last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

California American Water
Northern Division - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 54,785 | 54,977 | 55,370 | 56,284 | 57,244 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 5,097 | 5,149 | 5,147 | 5,088 | 5,102 |
| 6. | Industrial | INDR | 1 | 1 | 1 | 1 | 1 |
| 7. | Public Authority | OPUA | 346 | 358 | 361 | 355 | 349 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 16 | 9 | 1 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 870 | 885 | 913 | 929 | 931 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 1 | 1 | 1 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 61,115 | 61,379 | 61,794 | 62,658 | 63,628 |

Reference: Line 17 is sum of lines 2 thru 16
Average calculated using current and prior period-end customers.

California American Water
Northern Division - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|--|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 58,355 | 60,353 | 60,495 | 60,637 | 60,779 | 60,921 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 5,223 | 5,805 | 5,818 | 5,831 | 5,844 | 5,857 |
| 5. | Industrial | INDR | 1 | 92 | 92 | 92 | 92 | 92 |
| 6. | Public Authority | OPUA | 358 | 350 | 351 | 352 | 353 | 354 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 4 | 0 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 145 | 145 | 145 | 145 | 145 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 988 | 930 | 930 | 930 | 930 | 930 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 3,176 | 3,176 | 3,176 | 3,176 | 3,176 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 1 | 1 | 1 | 1 | 1 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 64,929 | 70,852 | 71,007 | 71,163 | 71,319 | 71,475 |
| Reference: Line 17 is sum of lines 2 thru 16 Average calculated using current and prior period-end customers. | | | | | | | | |

California American Water
Northern Division - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
CALCULATION OF PERCENT CHANGE IN AVERAGE NUMBER OF CUSTOMERS

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|---------|---------|----------|--------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.35% | 0.71% | 1.65% | 1.71% | 5.43% | 0.23% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | 1.02% | -0.04% | -1.15% | 0.28% | 13.78% | 0.22% |
| 6. | Industrial | INDR | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 9100.00% | 0.00% |
| 7. | Public Authority | OPUA | N/A | 3.47% | 0.84% | -1.66% | -1.69% | 0.29% | 0.28% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -43.75% | -88.89% | -100.00% | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 1.72% | 3.16% | 1.75% | 0.22% | -0.11% | 0.00% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | 0.00% | 0.00% | 0.00% | 0.00% |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | 0.43% | 0.68% | 1.40% | 1.55% | 11.35% | 0.22% |
| References: | | | | | | | | | |
| Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|-----------------------------|-------|----------------|-----------|-----------|-----------|-----------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 139.0 | 118.1 | 122.8 | 126.5 | 124.0 |
| 3. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMIM | 734.7 | 627.3 | 664.0 | 708.7 | 703.1 |
| 6. | Industrial | INDR | 215,375.9 | 222,237.9 | 209,311.9 | 191,837.6 | 264,601.1 |
| 7. | Public Authority | OPUA | 2,554.5 | 1,772.8 | 2,057.4 | 2,299.9 | 2,379.9 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RPPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | TOTAL | | 203.8 | 172.3 | 180.7 | 187.3 | 185.1 |
| References: Line 17 is total consumption TBL 3.10 divided by average customers TBL 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|--------------------------|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 128.9 | 132.3 | 132.3 | 132.3 | 132.3 | 132.4 |
| 2. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Commercial | COMM | 688.1 | 733.3 | 733.6 | 733.8 | 734.0 | 734.2 |
| 5. | Industrial | INDR | 222,238.0 | 5,805.0 | 5,805.0 | 5,805.0 | 5,805.0 | 5,805.0 |
| 6. | Public Authority | OPUA | 1,773.4 | 2,596.8 | 2,596.8 | 2,596.8 | 2,596.9 | 2,596.9 |
| 7. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Other | OTHR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Construction | CSTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Public Fire | PFPS | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. | TOTAL | | 184.4 | 193.2 | 193.2 | 193.2 | 193.3 | 193.3 |

References: Line 17 is total consumption TBL 3.11 divided by average customers TBL 3.45

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC

Filing: Final

AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)

CALCULATION OF PERCENT CHANGE IN ANNUAL CONSUMPTION PER CUSTOMER

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|--------|-------|-------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -15.0% | 4.0% | 3.0% | -2.0% | 6.7% | 0.0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -14.6% | 5.8% | 6.7% | -0.8% | 4.3% | 0.0% |
| 6. | Industrial | INDR | N/A | 3.2% | -5.8% | -8.3% | 37.9% | -97.8% | 0.0% |
| 7. | Public Authority | OPUA | N/A | -30.6% | 16.1% | 11.8% | 3.5% | 9.1% | 0.0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | -15.4% | 4.9% | 3.6% | -1.1% | 4.3% | 0.0% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|---------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 7,612,825 | 6,491,229 | 6,797,510 | 7,119,037 | 7,097,288 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 3,744,884 | 3,229,970 | 3,417,421 | 3,605,804 | 3,586,975 |
| 6. | Industrial | INDR | 215,376 | 222,238 | 209,312 | 191,838 | 264,601 |
| 7. | Public Authority | OPUA | 883,840 | 634,676 | 742,734 | 816,475 | 830,585 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 12,456,924.7 | 10,578,113.5 | 11,166,977.0 | 11,733,154.2 | 11,779,449.2 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 | Escalation Year 2023 |
|---|---------------------------------|-------|---------------------------|----------------|----------------|-------------------------|----------------------|----------------------|
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 7,521,012 | 7,985,391 | 8,004,901 | 8,024,412 | 8,043,923 | 8,063,434 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 3,594,032 | 4,256,766 | 4,267,474 | 4,278,182 | 4,288,890 | 4,299,598 |
| 6. | Industrial | INDR | 222,238 | 534,062 | 534,062 | 534,062 | 534,062 | 534,062 |
| 7. | Public Authority | OPUA | 634,874 | 908,866 | 911,476 | 914,085 | 916,695 | 919,305 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 265 | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 11,972,421 | 13,685,085 | 13,717,913 | 13,750,741 | 13,783,570 | 13,816,399 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC

Filing: Final

TOTAL ANNUAL CONSUMPTION (CCF)

CALCULATION OF PERCENT CHANGE IN TOTAL ANNUAL CONSUMPTION

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|-----------------------------|-------|----------------|--------|-------|-------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -14.7% | 4.7% | 4.7% | -0.3% | 12.5% | 0.2% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -13.7% | 5.8% | 5.5% | -0.5% | 18.7% | 0.3% |
| 6. | Industrial | INDR | N/A | -8.3% | -5.8% | -8.3% | 37.9% | 101.8% | 0.0% |
| 7. | Public Authority | OPUA | N/A | -28.2% | 17.0% | 9.9% | 1.7% | 9.4% | 0.3% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Sub-Total | | N/A | -15.1% | 5.6% | 5.1% | 0.4% | 16.2% | 0.2% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
WATER PRODUCTION (KCCF)
RECORDED

Filing: Final

| Line No. | Description | RECORDED YEARS | | | | |
|--|--------------------------------|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Sales | 12,456.9 | 10,578.1 | 11,167.0 | 11,733.2 | 11,779.4 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 12,456.9 | 10,578.1 | 11,167.0 | 11,733.2 | 11,779.4 |
| 4. | Non Revenue | 430.6 | 325.8 | 656.6 | 1,390.0 | 1,138.8 |
| 5. | Total Water Requirement | 12,887.6 | 10,903.9 | 11,823.6 | 13,123.2 | 12,918.2 |
| 6. | Non Revenue Water % | 3.3% | 3.0% | 5.6% | 10.6% | 8.8% |
| 7. | Equivalent Acre Feet | 29,585.7 | 25,031.8 | 27,143.2 | 30,126.7 | 29,656.1 |
| 8. | Total Water Requirement in CCF | 12,887,551 | 10,903,866 | 11,823,590 | 13,123,175 | 12,918,209 |
| References: Line 1 Metered sales per Table 3.10 | | | | | | |
| Other Consumption per [insert text if applicable] | | | | | | |
| Line 3 is sum of lines 2 and 3. | | | | | | |
| Line 4 is line 5 less line 3 | | | | | | |
| Line 5 is per MDR IIE.2 | | | | | | |
| Line 6 is line 4 divided by line 5. | | | | | | |
| Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. | | | | | | |
| Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
WATER PRODUCTION (KCCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|--|--------------------------------|---------------------------|------------|------------|--------------------|------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | |
| 1. | Metered Sales | 11,972.4 | 13,685.1 | 13,717.9 | 13,750.7 | 13,783.6 | |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 3. | Total Consumption | 11,972.4 | 13,685.1 | 13,717.9 | 13,750.7 | 13,783.6 | |
| 4. | Non Revenue | 383.7 | 1,086.2 | 1,086.2 | 1,086.2 | 1,086.2 | |
| 5. | Total Water Requirement | 12,356.1 | 14,771.3 | 14,804.1 | 14,837.0 | 14,869.8 | |
| 6. | Non Revenue Water % | 3.1% | 7.4% | 7.3% | 7.3% | 7.3% | |
| 7. | Equivalent Acre Feet | 28,365.7 | 33,910.3 | 33,985.6 | 34,061.0 | 34,136.3 | |
| 8. | Total Water Requirement in CCF | 12,356,100 | 14,771,308 | 14,804,136 | 14,836,964 | 14,869,793 | |
| References: Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert to CCF. | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
WATER PRODUCTION (KCCF)

Filing: **Final**

CALCULATION OF PERCENT CHANGE IN WATER PRODUCTION

| Line No. | Description | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|--------------------------------|----------------|--------|--------|--------|--------|---------------------------|--------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Sales | N/A | -15.1% | 5.6% | 5.1% | 0.4% | 14.3% | 0.2% |
| 2. | Other Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Total Consumption | N/A | -15.1% | 5.6% | 5.1% | 0.4% | 14.3% | 0.2% |
| 4. | Non Revenue | N/A | -24.4% | 101.6% | 111.7% | -18.1% | 183.1% | 0.0% |
| 5. | Total Water Requirement | N/A | -15.4% | 8.4% | 11.0% | -1.6% | 19.5% | 0.2% |
| 6. | Non Revenue Water % | N/A | -10.6% | 85.9% | 90.7% | -16.8% | 136.8% | -0.2% |
| 7. | Equivalent Acre Feet | N/A | -15.4% | 8.4% | 11.0% | -1.6% | 19.5% | 0.2% |
| 8. | Total Water Requirement in CCF | N/A | -15.4% | 8.4% | 11.0% | -1.6% | 19.5% | 0.2% |
| References: Recorded year % calculated by dividing current year data by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr data point by last authorized level and subtracting 1. Proposed test year % calculated by dividing the test year data point by the prior year estimated level and subtracting 1. | | | | | | | | |

California American Water
Northern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|--------------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | \$77,131,880 | \$83,439,432 | \$6,307,552 | 8.18% |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 38,865,404 | 41,879,464 | 3,014,060 | 7.76% |
| 6. | Industrial | INDR | 3,264,406 | 3,232,938 | (31,468) | -0.96% |
| 7. | Public Authority | OPUA | 7,101,390 | 7,626,748 | 525,358 | 7.40% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 840 | 1,092 | 252 | 30.00% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0.00% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RPFS | 734,978 | 796,394 | 61,416 | 8.36% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PPFS | 2,557,752 | 3,243,436 | 685,684 | 26.81% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 129,656,650 | 140,219,504 | 10,562,854 | 8.15% |

California American Water
Northern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| Non-Metered Customers | | | | | | |
| 20. | Residential Flat | SREF | 3,215,890 | 3,215,890 | 0 | 0.00% |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 23. | | | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 3,215,890 | 3,215,890 | 0 | 0.00% |
| 26. | Total Water Revenues | | 132,872,540 | 143,435,394 | 10,562,854 | 7.95% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 51,615 | 51,615 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 15,323 | 15,323 | 0 | 0.00% |
| 29. | Antenna Leases | ANTL | 4,200 | 4,200 | 0 | 0.00% |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 31. | Misc Service Revenues | MISC | 317,641 | 317,641 | 0 | 0.00% |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 33. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 36. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 37. | | | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 388,780 | 388,780 | 0 | 0.00% |

California American Water
Northern Division - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing:

Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|----------------|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0.00% |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$133,261,320 | \$143,824,174 | \$10,562,854 | 7.93% |
| 49. | Revenues per Avg Customer | | \$1,873 | \$2,021 | \$148 | 7.93% |
| | | | | | | |

California American Water
Northern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|-----------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | 83,571,014 | 88,374,200 | 4,803,186 | 5.75% |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 41,957,358 | 44,363,382 | 2,406,024 | 5.73% |
| 6. | Industrial | INDR | 3,232,938 | 3,456,026 | 223,088 | 6.90% |
| 7. | Public Authority | OPUA | 7,644,788 | 8,095,582 | 450,794 | 5.90% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 1,092 | 1,160 | 68 | 6.23% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0.00% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 873,346 | 923,186 | 49,840 | 5.71% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 3,243,436 | 3,250,274 | 6,838 | 0.21% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 140,523,972 | 148,463,810 | 7,939,838 | |

California American Water
Northern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|------------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 20. | Non-Metered Customers | | | | | |
| 21. | Residential Flat | SREF | 3,820,800 | 4,164,672 | 343,872 | 9.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 3,820,800 | 4,164,672 | 343,872 | 9.00% |
| 26. | Total Water Revenues | | 144,344,772 | 152,628,482 | 8,283,710 | 5.74% |
| 27. | Other Revenues | | | | | |
| 28. | Method 5 Revenues | METH | 58,105 | 58,105 | 0 | 0.00% |
| 29. | Contract Revenues | CREV | 15,323 | 15,323 | 0 | 0.00% |
| 30. | Antenna Leases | ANTL | 4,200 | 4,200 | 0 | 0.00% |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 32. | Misc Service Revenues | MISC | 317,641 | 317,641 | 0 | 0.00% |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 34. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 37. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 395,270 | 395,270 | 0 | 0.00% |

California American Water
Northern Division - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing:

Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|---|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$144,740,042 | \$153,023,752 | \$8,283,710 | 5.72% |
| 49. | Revenues per Avg Customer | | \$2,029 | \$2,146 | \$116 | 5.72% |
| References: Table 3.18 for revenues @ present rates Table 3.21 for revenues @ proposed rates | | | | | | |

California American Water
Northern Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | \$30,725,811 | \$27,714,166 | \$28,180,997 | \$31,989,684 | \$32,773,178 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 15,091,916 | 13,666,632 | 14,023,841 | 15,812,489 | 16,389,226 |
| 6. | Industrial | INDR | 540,872 | 622,590 | 604,390 | 600,328 | 855,411 |
| 7. | Public Authority | OPUA | 3,028,424 | 2,417,868 | 2,663,230 | 3,119,353 | 3,218,345 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 64,247 | 62,824 | 63,387 | 62,771 | 63,605 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,504,702 | 1,624,250 | 1,512,827 | 1,516,567 | 1,534,055 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 50,955,972 | 46,108,329 | 47,048,673 | 53,101,192 | 54,833,821 |

California American Water

Northern Division - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 50,955,972 | 46,108,329 | 47,048,673 | 53,101,192 | 54,833,821 |
| Other Revenues | | | | | | | |
| 28. | Method 5 Revenues | METH | 82,524 | 82,524 | 0 | 10,776 | 10,618 |
| 29. | Contract Revenues | CREV | 0 | 59,024 | 17,594 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 12,899 | 4,200 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 36,754 | 141,269 | 330,327 | 339,454 | 371,547 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 119,278 | 282,816 | 347,921 | 363,129 | 386,365 |

California American Water

Northern Division - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-------------|---------------------------|-------|--|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$51,075,250 | \$46,391,145 | \$47,396,594 | \$53,464,321 | \$55,220,186 |
| 49. | Revenues per Avg Customer | | \$836 | \$756 | \$767 | \$853 | \$868 |
| References: | | | Line 41 is sum of lines 32 and 40 | | | | |
| | | | Line 19 is sum of lines 15 thru 18 | | | | |
| | | | Line 32 is sum of lines 22 thru 31 | | | | |
| | | | Line 40 is sum of lines 34 and 39 | | | | |
| | | | Line 42 is sum of lines 20 and 41 | | | | |
| | | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |

California American Water
Northern Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | Escalation Year |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2018 | 2019 | | |
| Metered Water Customers | | | | | | | |
| 1. | Residential | SRES | 35,751,271 | 38,438,664 | 38,502,300 | 38,565,940 | 41,785,507 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 16,849,027 | 19,358,476 | 19,395,589 | 19,432,702 | 20,978,679 |
| 5. | Industrial | INDR | 786,336 | 1,632,203 | 1,632,203 | 1,632,203 | 1,616,469 |
| 6. | Public Authority | OPUA | 2,728,111 | 3,533,336 | 3,542,017 | 3,550,695 | 3,822,394 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 127,772 | 420 | 420 | 420 | 546 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 296,471 | 331,980 | 367,489 | 436,673 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 1,343,139 | 1,278,876 | 1,278,876 | 1,278,876 | 1,621,718 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 57,585,656 | 64,538,446 | 64,683,385 | 64,828,325 | 70,261,986 |

California American Water
Northern Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|------------------------------|---------------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 |
| | | | | | | | 2022 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 1,607,945 | 1,607,945 | 1,607,945 | 1,910,400 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Mobile Home Residential (Sewer) | SPMH | 0 | 48,638 | 48,638 | 48,638 | 52,702 |
| 23. | Commercial (Sewer) | SCOM | 0 | 817 | 817 | 817 | 886 |
| 24. | Total Non-Metered Revenues | | 0 | 1,657,400 | 1,657,400 | 1,657,400 | 1,963,988 |
| 25. | | | | | | | |
| 26. | Total Water Revenues | | 57,585,656 | 66,195,846 | 66,340,785 | 66,485,725 | 72,225,974 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 28,017 | 34,267 | 44,888 | 51,615 | 58,105 |
| 28. | Contract Revenues | CREV | 0 | 15,323 | 15,323 | 15,323 | 15,323 |
| 29. | Antenna Leases | ANTL | 0 | 4,200 | 4,200 | 4,200 | 4,200 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 136,612 | 317,641 | 317,641 | 317,641 | 317,641 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | Subtotal Other Revenues | | 164,629 | 371,432 | 382,053 | 388,780 | 395,270 |
| 38. | | | | | | | |

California American Water
Northern Division - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| 47. | Reserved Future Use | | | | | | |
| | | | | | | | |
| 48. | Total Operating Revenues | | \$57,750,285 | \$66,567,278 | \$66,722,838 | \$66,874,505 | \$72,621,244 |
| 49. | Revenues per Avg Customer | | \$889 | \$940 | \$940 | \$940 | \$1,018 |
| | | | | | | | |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water
Northern Division - 2019 GRC

Filing:

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year |
|----------|--------------------------------|-------|----------------|------|------|------|------|---------------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | |
| 1. | Metered Water Customers | | | | | | | |
| 2. | Residential | SRES | N/A | -10% | 2% | 14% | 2% | 17% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -9% | 3% | 13% | 4% | 18% |
| 6. | Industrial | INDR | N/A | 15% | -3% | -1% | 42% | 91% |
| 7. | Public Authority | OPUA | N/A | -20% | 10% | 17% | 3% | 10% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -2% | 1% | -1% | 1% | -99% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 8% | -7% | 0% | 1% | -17% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -10% | 2% | 13% | 3% | 18% |

California American Water
Northern Division - 2019 GRC

Filing:

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year |
|-----------------------|----------------------------|-------|----------------|------|-------|-------|------|---------------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | |
| Non-Metered Customers | | | | | | | | |
| 20. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A |
| | | | | | | | | |
| 26. | Total Water Revenues | | N/A | -10% | 2% | 13% | 3% | 21% |
| | | | | | | | | |
| Other Revenues | | | | | | | | |
| 27. | Method 5 Revenues | METH | N/A | 0% | -100% | N/A | -1% | 223% |
| 28. | Contract Revenues | CREV | N/A | N/A | -70% | -100% | N/A | N/A |
| 29. | Antenna Leases | ANTL | N/A | N/A | N/A | N/A | -67% | 0% |
| 30. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Misc Service Revenues | MISC | N/A | 284% | 134% | 3% | 9% | -15% |
| 32. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A |
| 33. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | | | N/A | 137% | 23% | 4% | 6% | -4% |
| 38. | Subtotal Other Revenues | | N/A | 137% | 23% | 4% | 6% | -4% |

California American Water
Northern Division - 2019 GRC

Filing:

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | |
| 39. | Reserved Future Use | | | | | | | |
| 40. | | | | | | | | |
| 41. | | | | | | | | |
| 42. | | | | | | | | |
| 43. | | | | | | | | |
| 44. | | | | | | | | |
| 45. | | | | | | | | |
| 46. | Subtotal | | | | | | | |
| 47. | Reserved Future Use | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -9% | 2% | 13% | 3% | 21% |
| 49. | Revenues per Avg Customer | | N/A | -10% | 1% | 11% | 2% | 8% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: **Final**

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | 30,725,811 | 27,714,166 | 28,180,997 | 31,989,684 | 32,773,178 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 15,091,916 | 13,666,632 | 14,023,841 | 15,812,489 | 16,389,226 |
| 6. | Industrial | INDR | 540,872 | 622,590 | 604,390 | 600,328 | 855,411 |
| 7. | Public Authority | OPUA | 3,028,424 | 2,417,868 | 2,663,230 | 3,119,353 | 3,218,345 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 64,247 | 62,824 | 63,387 | 62,771 | 63,605 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,504,702 | 1,624,250 | 1,512,827 | 1,516,567 | 1,534,055 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 50,955,972 | 46,108,329 | 47,048,673 | 53,101,192 | 54,833,821 |

CALIFORNIA AMERICAN WATER

Northern Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 50,955,972 | 46,108,329 | 47,048,673 | 53,101,192 | 54,833,821 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 82,524 | 82,524 | 0 | 10,776 | 10,618 |
| 28. | Contract Revenues | CREV | 0 | 59,024 | 17,594 | 0 | 0 |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 12,899 | 4,200 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 36,754 | 141,269 | 330,327 | 339,454 | 371,547 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | Subtotal Other Revenues | | 119,278 | 282,816 | 347,921 | 363,129 | 386,365 |

CALIFORNIA AMERICAN WATER

Northern Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | |
|--|---------------------------|-------|----------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 39. | Reserved Future Use | | | | | 2018 |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$51,075,250 | \$46,391,145 | \$47,396,594 | \$53,464,321 |
| 49. | Revenues per Avg Customer | | \$836 | \$756 | \$767 | \$853 |
| | | | | | | \$868 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Estimated | | Proposed Test Year | | Escalation Year | |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|------------|--------------------|------|-----------------|---|
| | | | 2018 | | 2019 | 2020 | 2021 | 2022 | | |
| Metered Water Customers | | | | | | | | | | |
| 1. | Residential | SRES | 35,751,271 | 38,438,664 | 38,502,300 | 41,719,716 | | | 44,187,100 | |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 4. | Commercial | COMM | 16,849,027 | 19,358,476 | 19,395,589 | 20,939,732 | | | 22,181,691 | |
| 5. | Industrial | INDR | 786,336 | 1,632,203 | 1,632,203 | 1,616,469 | | | 1,728,013 | |
| 6. | Public Authority | OPUA | 2,728,111 | 3,533,336 | 3,542,017 | 3,813,374 | | | 4,047,791 | |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 8. | Other | OTHR | 127,772 | 420 | 420 | 546 | | | 580 | |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 296,471 | 331,980 | 398,197 | | | 461,593 | |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 15. | Public Fire | PFPS | 1,343,139 | 1,278,876 | 1,278,876 | 1,621,718 | | | 1,625,137 | |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| 18. | Total Metered Revenues | | 57,585,656 | 64,538,446 | 64,683,385 | 70,109,752 | | | 74,231,905 | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Estimated | | Proposed Test Year | | Escalation Year | |
|----------|----------------------------|-------|---------------------------|--|------------|------------|--------------------|------|-----------------|---|
| | | | 2018 | | 2019 | 2020 | 2021 | 2022 | | |
| 20. | Non-Metered Customers | | | | | | | | | |
| 21. | Residential Flat | SREF | 0 | | 1,607,945 | 1,607,945 | 1,910,400 | | 2,082,336 | |
| 22. | Commercial (Flat) | COMF | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 24. | | | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | | 1,607,945 | 1,607,945 | 1,910,400 | | 2,082,336 | |
| 26. | Total Water Revenues | | | | | | | | | |
| | | | 57,585,656 | | 66,146,391 | 66,291,330 | 72,020,152 | | 76,314,241 | |
| | | | | | | | | | | |
| 27. | Other Revenues | | | | | | | | | |
| 28. | Method 5 Revenues | METH | 28,017 | | 0 | 0 | 0 | | 0 | 0 |
| 29. | Contract Revenues | CREV | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 136,612 | | 0 | 0 | 0 | | 0 | 0 |
| 33. | Late Payment Penalty | LATE | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 34. | Rents | RENT | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 36. | DSIC | DSIC | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 37. | Other | OTER | 0 | | 0 | 0 | 0 | | 0 | 0 |
| 38. | Subtotal Other Revenues | | 164,629 | | 0 | 0 | 0 | | 0 | 0 |

CALIFORNIA AMERICAN WATER

Northern Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|--------------|--------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$57,750,285 | \$66,146,391 | \$66,291,330 | \$72,020,152 | \$76,314,241 |
| 49. | Revenues per Avg Customer | | \$889 | \$934 | \$934 | \$1,012 | \$1,070 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER

Northern Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing:

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year |
|----------|--------------------------------|-------|----------------|------|------|------|------|---------------------------|
| | | | 2013 | 2014 | 2015 | 2016 | 2017 | |
| 1. | Metered Water Customers | | | | | | | |
| 2. | Residential | SRES | N/A | -10% | 2% | 14% | 2% | -13% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -9% | 3% | 13% | 4% | -13% |
| 6. | Industrial | INDR | N/A | 15% | -3% | -1% | 42% | -6% |
| 7. | Public Authority | OPUA | N/A | -20% | 10% | 17% | 3% | -13% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -2% | 1% | -1% | 1% | -28% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 8% | -7% | 0% | 1% | -21% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -10% | 2% | 13% | 3% | -13% |

CALIFORNIA AMERICAN WATER

Northern Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing:

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year |
|-----------------------|----------------------------|-------|----------------|------|-------|-------|------|---------------------------|
| | | | 2013 | 2014 | 2015 | 2016 | 2017 | |
| Non-Metered Customers | | | | | | | | |
| 20. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -10% | 2% | 13% | 3% | -13% |
| | | | | | | | | |
| Other Revenues | | | | | | | | |
| 27. | Method 5 Revenues | METH | N/A | 0% | -100% | N/A | -1% | #DIV/0! |
| 28. | Contract Revenues | CREV | N/A | N/A | -70% | -100% | N/A | N/A |
| 29. | Antenna Leases | ANTL | N/A | N/A | N/A | N/A | -67% | #DIV/0! |
| 30. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Misc Service Revenues | MISC | N/A | 284% | 134% | 3% | 9% | #DIV/0! |
| 32. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A |
| 33. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | | | N/A | 137% | 23% | 4% | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 137% | 23% | 4% | 6% | #DIV/0! |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC

Filing:

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|
| | | | 2013 | 2014 | 2015 | 2016 | 2017 | |
| 39. | Reserved Future Use | | | | | | | |
| 40. | | | | | | | | |
| 41. | | | | | | | | |
| 42. | | | | | | | | |
| 43. | | | | | | | | |
| 44. | | | | | | | | |
| 45. | | | | | | | | |
| 46. | Subtotal | | | | | | | |
| 47. | Reserved Future Use | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -9% | 2% | 13% | 3% | -13% |
| 49. | Revenues per Avg Customer | | N/A | -10% | 1% | 11% | 2% | -13% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | \$561 | \$504 | \$509 | \$568 | \$573 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 2,961 | 2,654 | 2,725 | 3,108 | 3,212 |
| 6. | Industrial | INDR | 540,872 | 622,590 | 604,390 | 600,328 | 855,411 |
| 7. | Public Authority | OPUA | 8,753 | 6,754 | 7,377 | 8,787 | 9,222 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 4,015 | 6,980 | 63,387 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,730 | 1,835 | 1,657 | 1,632 | 1,648 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | \$834 | \$751 | \$761 | \$847 | \$862 |

CALIFORNIA AMERICAN WATER
Northern Division - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Present Rate Proposed Test Year | | Proposed Rate Proposed Test Year | |
|----------|---------------------------------|-------|---------------------------|--------|---------------------------------|--|----------------------------------|--|
| | | | 2018 | | 2021 | | 2021 | |
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | \$613 | \$636 | \$688 | | | |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | | | |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | | | |
| 5. | Commercial | COMM | 3,226 | 3,333 | 3,591 | | | |
| 6. | Industrial | INDR | 786,336 | 17,741 | 17,570 | | | |
| 7. | Public Authority | OPUA | 7,620 | 10,087 | 10,833 | | | |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | | | |
| 9. | Other | OTHR | 31,943 | 0 | 0 | | | |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | | | |
| 11. | Construction | CSTR | 0 | 0 | 0 | | | |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | | | |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | | | |
| 14. | Private Fire | RFPS | 0 | 2,534 | 2,746 | | | |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | | | |
| 16. | Public Fire | PFPS | 1,359 | 1,375 | 1,744 | | | |
| 17. | Hotel | HOTL | 0 | 0 | 0 | | | |
| 18. | Residential Flat | SREF | 0 | 506 | 602 | | | |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | | | |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | | | |
| 21. | Reserved | | | | | | | |
| 22. | Reserved | | | | | | | |
| 23. | TOTAL | | \$887 | \$934 | \$1,012 | | | |

**CALIFORNIA AMERICAN WATER
NORTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020, and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are submitted as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2019 reflect salary information as of April 2019.

Non-union Employee Salaries

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Union Employee Salaries Inflation

| | 2019 | 2020 | 2021 | 2022 |
|-------|-------------|-------------|-------------|-------------|
| Union | N/A | 2.50% | 2.50% | 2.50% |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every effort was made to identify and remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

**CALIFORNIA AMERICAN WATER
NORTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the Northern Division include the following factors and assumptions:

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Operations and Maintenance Expenses

Source of Supply: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Water: Purchased water costs are primarily based on estimated total production, district operations assessments of sources and uses of produced and purchased water, and the current prices and assessments from water provider agencies.

Pumping: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Power: Purchased power was calculated based on fiscal 2018 kilowatt usage patterns and kilowatt per water production units at average kilowatt costs calculated from most recent 12 months billing data. This fiscal data was escalated and applied to the estimated water production quantities to derive purchased power estimates for 2019 through 2022. The fiscal year data was obtained from billing data of the power providers.

Water Treatment: Expenses are forecasted based on the standard methodology outlined above.

Transmission & Distribution: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Costs for maintenance of Reservoirs and Tanks for 2019 through 2022 were forecasted based on scheduled tank painting needs and the associated amortization schedule.
- Costs for Comprehensive Planning Studies and Geographic Information Systems were forecasted based on identified needs
- State Water Resources Control Board drinking water fees were forecasted based on 2018 actual with escalation applied

Customer Accounts: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Adjustment for overflow customer calls to the Customer Service Center.
- Uncollectibles expense forecasted based on 5-year average of the annual uncollectible rate applied to forecasted revenues.

Administrative & General Expenses

Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

**CALIFORNIA AMERICAN WATER
NORTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

- Adjustment for sampling monitoring systems (SAMS) modules.
- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as well as fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

General Office

General Office and Service Company costs are allocated to each district based upon customer count.

Acquisition Premium

Decision 01-09-057 approved the purchase of the water and wastewater assets of Citizens Utilities by American Water and authorized the recovery of the acquisition premium attributable to California American Water. A portion of the amortization of that premium has been allocated to the Northern Division.

Utility Plant Acquisition Adjustment

The revenue requirement related to the Utility Plant Acquisition Adjustment for the Fruitridge, Rio Plaza, Hillview and Bellflower acquisitions is allocated to each district based upon customer count.

Table Overview

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocated General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

Table 4.6a and Table 4.6b show recorded, forecasted, and last authorized Test Year O&M Expenses per customer.

**CALIFORNIA AMERICAN WATER
NORTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Table 4.5b, Table 4.7, and Table 4.8 show Percent Change of recorded, forecasted, and last authorized Test Year O&M Expenses, A&G expenses, and Payroll expenses.

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Summary Description | Recorded Years | | | |
|----------|---|----------------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 6,436.3 | 6,531.1 | 6,866.3 | 7,014.4 |
| 2. | Purchased Water | 1,656.5 | 1,655.3 | 1,577.9 | 2,198.3 |
| 3. | Purchased Power | 2,116.4 | 1,811.5 | 1,918.6 | 1,950.7 |
| 4. | Chemicals | 295.5 | 237.8 | 263.9 | 293.9 |
| 5. | Operation Expense | 1,094.4 | 1,043.4 | 1,286.6 | 1,505.4 |
| 6. | Maintenance (excluding Amort Tank Painting) | 682.3 | 728.5 | 885.7 | 945.9 |
| 7. | Amortization of Tank Painting | 186.3 | 215.5 | 156.0 | 152.9 |
| 8. | Customer Accounting | 579.7 | 586.0 | 592.8 | 605.3 |
| 9. | Uncollectible Expense | 423.3 | 279.9 | 382.6 | 407.9 |
| 10. | Insurance | 854.3 | 1,188.4 | 821.4 | 597.6 |
| 11. | Pensions and Benefits | 1,609.8 | 2,247.4 | 2,089.8 | 2,138.6 |
| 12. | Regulatory Expenses | 571.3 | 170.2 | 286.0 | 550.5 |
| 13. | Rents | 239.5 | 269.6 | 235.6 | 311.0 |
| 14. | Other Administrative & General | 3,174.2 | 3,290.5 | 3,220.8 | 3,852.7 |
| 15. | Service Company Costs | 4,721.2 | 4,768.8 | 4,805.3 | 4,257.0 |
| 16. | Citizens Acquisition Premium | 1,562.9 | 1,509.2 | 1,455.5 | 1,433.0 |
| 17. | General Office Return on Rate Base | 582.8 | 688.5 | 765.7 | 655.9 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | Total Operating Expenses | 26,786.7 | 27,221.6 | 27,610.4 | 28,870.9 |
| 23. | Operating Expense per customer ⁽²⁾ | 437.3 | 442.7 | 444.7 | 456.6 |
| | | | | | 440.0 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

Filing: Final

SUMMARY OF TOTAL OPERATING EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Summary Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|-----------------|---------------------------|-------------------|
| | | 2019 | 2020 | | | | |
| 1. | Labor | 8,485.5 | 8,705.1 | 8,938.6 | 9,182.0 | 6,316.0 | Exh A Ch4 Tbl 4.2 |
| 2. | Purchased Water | 3,767.9 | 3,774.3 | 3,780.7 | 3,814.8 | 2,959.7 | Exh A Ch4 Tbl 4.3 |
| 3. | Purchased Power | 2,516.0 | 2,559.4 | 2,612.2 | 2,675.4 | 2,269.1 | Exh A Ch4 Tbl 4.3 |
| 4. | Chemicals | 283.0 | 287.3 | 292.5 | 299.0 | 271.1 | Exh A Ch4 Tbl 4.3 |
| 5. | Operation Expense | 1,101.0 | 1,177.6 | 1,578.1 | 1,397.2 | 1,469.5 | Exh A Ch4 Tbl 4.3 |
| 6. | Maintenance (excluding Amort Tank Painting) | 903.0 | 916.5 | 933.4 | 954.0 | 2,186.8 | Exh A Ch4 Tbl 4.4 |
| 7. | Amortization of Tank Painting | 304.4 | 511.8 | 479.9 | 513.6 | 350.3 | O&M RO |
| 8. | Customer Accounting | 721.9 | 732.4 | 746.1 | 762.8 | 590.0 | Exh A Ch4 Tbl 4.3 |
| 9. | Uncollectible Expense | 346.6 | 347.4 | 348.2 | 378.1 | 290.6 | Exh A Ch4 Tbl 4.3 |
| 10. | Insurance | 808.8 | 843.2 | 1,393.2 | 1,412.1 | 904.8 | Exh A Ch4 Tbl 4.5 |
| 11. | Pensions and Benefits | 1,986.7 | 2,159.8 | 2,226.5 | 2,322.5 | 1,572.1 | Exh A Ch4 Tbl 4.5 |
| 12. | Regulatory Expenses | 603.8 | 603.8 | 219.0 | 875.8 | 385.5 | Exh A Ch4 Tbl 4.5 |
| 13. | Rents | 287.1 | 294.8 | 458.9 | 380.4 | 314.6 | Exh A Ch4 Tbl 4.5 |
| 14. | Other Administrative & General | 3,667.9 | 3,804.1 | 4,016.6 | 3,996.9 | 3,107.9 | Exh A Ch4 Tbl 4.5 |
| 15. | Service Company Costs | 4,738.2 | 4,797.3 | 4,881.1 | 4,991.4 | 4,079.6 | Service Co RO |
| 16. | Citizens Acquisition Premium | 1,728.6 | 1,735.5 | 1,742.9 | 1,751.5 | 1,722.4 | WP Citizens Acq |
| 17. | General Office Return on Rate Base | 864.6 | 1,135.0 | 1,313.0 | 1,354.7 | 844.7 | CH09 RO |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 1,716.8 | 1,680.9 | 0.0 | CH02 RO |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CH02 RO |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Total Operating Expenses | 33,115.0 | 34,385.4 | 37,677.6 | 38,743.1 | 29,634.7 | |
| 23. | Operating Expense per customer ⁽²⁾ | 467.7 | 483.1 | 526.6 | 538.7 | 453.9 | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Payroll and Employees Include Allocation of General Office

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Payroll Expense</u> | | | | | |
| 2. | Salaries | 7,355.7 | 7,762.8 | 8,164.7 | 8,430.4 | 8,162.0 |
| 3. | Overtime | 392.1 | 436.1 | 428.3 | 510.4 | 472.1 |
| 4. | Total Salaries | 7,747.8 | 8,199.0 | 8,593.1 | 8,940.8 | 8,634.0 |
| 5. | Capitalized Payroll | (1,311.5) | (1,667.9) | (1,726.8) | (1,926.4) | (1,874.1) |
| 6. | Total Net Payroll | 6,436.3 | 6,531.1 | 6,866.3 | 7,014.4 | 6,759.9 |
| 7. | Payroll per thousand customers (in \$000's) | 126.5 | 133.3 | 138.4 | 141.4 | 134.9 |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 |
| 12. | | | | | | |
| 13. | Number of employees | 82.5 | 87.2 | 85.9 | 89.1 | 91.4 |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Year Customers (1,000's) | 61.3 | 61.5 | 62.1 | 63.2 | 64.0 |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
PAYROLL EXPENSES

Filing: Final

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Estimated | | | Projected Test Year | | Escalation Year | | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|-----------|---------------------|-----------|--------------------|------|---------------------------|-----------|
| | | 2019 | 2020 | 2021 | 2020 | 2021 | 2022 | 2018 | | |
| 1. | <u>Payroll Expense</u> | | | | | | | | | |
| 2. | Salaries | 10,170.4 | 10,437.7 | 10,722.1 | 11,018.4 | 7,554.1 | RO Labor | | | |
| 3. | Overtime | 449.9 | 460.1 | 470.7 | 481.7 | 391.0 | RO Labor | | | |
| 4. | Total Salaries | 10,620.3 | 10,897.8 | 11,192.8 | 11,500.2 | 7,945.1 | Ln1 + Ln2 | | | |
| 5. | Capitalized Payroll | (2,134.8) | (2,192.6) | (2,254.2) | (2,318.2) | (1,629.0) | RO Labor | | | |
| 6. | Total Net Payroll | 8,485.5 | 8,705.1 | 8,938.6 | 9,182.0 | 6,316.0 | Ln3 + Ln4 | | | |
| 7. | Payroll per thousand customers (in \$000's) | 150.0 | 153.1 | 156.4 | 159.9 | 121.7 | Ln3 / Ln18 | | | |
| 8. | | | | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | | | | |
| 10. | | | | | | | | | | |
| 11. | # of employees per thousand customers | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | Ln13 / Ln18 | | | |
| 12. | | | | | | | | | | |
| 13. | Number of employees | 108.0 | 108.0 | 108.0 | 108.0 | 91.9 | WPO O&M-RO | | | |
| 14. | | | | | | | | | | |
| 15. | | | | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | | | | |
| 17. | | | | | | | | | | |
| 18. | End of Year Customers (1,000's) | 70.8 | 71.2 | 71.5 | 71.9 | 65.3 | ExhA Tbl 3.1 / 3.2 | | | |
| 19. | | | | | | | | | | |
| 20. | | | | | | | | | | |
| 21. | | | | | | | | | | |
| 22. | | | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | Operation Expenses (exclude payroll) | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 213.5 | 276.5 | 281.0 | 342.9 |
| 3. | SS Purchased Water | 704 | 1,656.5 | 1,655.3 | 1,577.9 | 2,198.3 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 9.3 | 5.2 | 14.2 | 21.9 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,116.4 | 1,811.5 | 1,918.6 | 1,950.7 |
| 8. | WT Operation Labor and Expenses | 742 | 14.0 | 12.9 | 5.7 | 2.4 |
| 9. | WT Miscellaneous Expenses | 743 | 675.7 | 452.7 | 535.4 | 663.6 |
| 10. | WT Chemicals and Filtering Materials | 744 | 295.5 | 237.8 | 263.9 | 293.9 |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 1.1 |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.1 |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 181.9 | 296.2 | 450.2 | 473.3 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 88.3 | 93.8 | 112.2 | 141.1 |
| 18. | CA Miscellaneous Customer Account | 774 | 491.3 | 492.2 | 480.6 | 464.2 |
| 19. | CA Uncollectible Accounts | 775 | 423.3 | 279.9 | 382.6 | 407.9 |
| 20. | Divisional Allocation | | | | | |
| 21. | Total Operation Expenses | | 6,165.7 | 5,613.8 | 6,022.3 | 6,961.4 |
| 22. | O&M Expense per customer ² | | 100.7 | 91.29 | 97.00 | 110.10 |
| | | | | | | 109.40 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | Operation Expenses (exclude payroll) | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 281.8 | 286.1 | 291.3 | 297.7 | 213.7 | O&M RO |
| 3. | SS Purchased Water | 704 | 3,767.9 | 3,774.3 | 3,780.7 | 3,814.8 | 2,959.7 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 18.7 | 19.0 | 19.4 | 19.8 | 21.6 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,516.0 | 2,559.4 | 2,612.2 | 2,675.4 | 2,269.1 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 8.0 | 8.1 | 8.2 | 8.4 | 7.6 | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 619.8 | 629.1 | 640.6 | 654.7 | 666.4 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | 283.0 | 287.3 | 292.5 | 299.0 | 271.1 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | O&M RO |
| 13. | TD Meter Expenses | 754 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 171.9 | 234.4 | 617.7 | 415.6 | 560.1 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 216.0 | 218.9 | 223.1 | 228.3 | 97.6 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 506.0 | 513.5 | 523.0 | 534.5 | 489.8 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 346.6 | 347.4 | 348.2 | 378.1 | 290.6 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | |
| 21. | Total Operation Expenses | | 8,736.5 | 8,878.3 | 9,357.8 | 9,327.4 | 7,850.0 | |
| 22. | O&M Expense per customer ⁽²⁾ | | 123.40 | 124.75 | 130.80 | 129.70 | 120.2 | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|-------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | Maintenance Expenses | | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 21.6 | 60.1 | 53.9 | 87.2 |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.9 |
| 10. | PP Maintenance of Other Pumping | 733 | 175.1 | 124.3 | 125.3 | 100.0 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 150.7 | 73.1 | 84.6 | 149.3 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.4 | 0.0 | 0.0 | 0.0 |
| 15. | TD Maintenance of Transmission and Distr | 761 | 64.5 | 20.1 | 19.8 | 21.7 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 6.8 | 13.2 | 3.2 | 12.8 |
| 18. | TD Maintenance of Meters | 764 | 0.4 | 9.5 | 8.3 | 17.4 |
| 19. | TD Maintenance of Hydrants | 765 | 1.6 | 4.7 | 0.7 | 0.0 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 447.4 | 638.9 | 745.9 | 709.3 |
| 21. | Total Maintenance Expenses | | 868.6 | 944.0 | 1,041.8 | 1,098.8 |
| 22. | O&M Expense per customer ⁽⁷⁾ | | 14.2 | 15.4 | 16.8 | 17.4 |
| | | | | | | 15.3 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

Filing: Final

SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 51.4 | 52.1 | 53.1 | 54.3 | 52.0 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.4 | 0.4 | 0.4 | 0.4 | 2.3 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 123.2 | 125.0 | 127.3 | 130.1 | 233.7 | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | (0.0) | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 128.0 | 129.9 | 132.3 | 135.2 | 1,507.5 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.4 | 0.4 | 0.4 | 0.4 | 0.1 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 32.9 | 33.4 | 34.0 | 34.7 | 54.2 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 10.1 | 10.2 | 10.4 | 10.7 | 10.4 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 9.6 | 9.7 | 9.9 | 10.1 | 22.6 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 2.5 | 2.6 | 2.6 | 2.7 | 9.7 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 849.0 | 1,064.5 | 1,042.8 | 1,088.9 | 643.4 | O&M RO |
| 21. | Total Maintenance Expenses | | 1,207.4 | 1,428.3 | 1,413.3 | 1,467.6 | 2,537.1 | |
| 22. | O&M Expense per customer ² | | 17.1 | 20.1 | 19.8 | 20.4 | 38.9 | |

Filing:

| Line No. | Description | PUC Acct # | Recorded Years | | | | | |
|----------|---|------------|----------------|---------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | |
| 1. | <u>Administrative & General Expenses</u> | | | | | | | |
| 2. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | AG Office Supplies and Other Exp | 792 | 97.2 | 101.6 | 108.5 | 122.7 | 124.3 | 124.3 |
| 4. | AG Property Insurance | 793 | 155.9 | 152.4 | 136.3 | 125.5 | 121.2 | 121.2 |
| 5. | AG Injuries and Damages | 794 | 698.3 | 1,036.0 | 685.0 | 472.0 | 695.0 | 695.0 |
| 6. | AG Employees' Pensions and Benefits | 795 | 1,609.8 | 2,247.4 | 2,089.8 | 2,138.6 | 1,817.8 | 1,817.8 |
| 7. | AG Regulatory Commission Expenses | 797 | 571.3 | 170.2 | 286.0 | 550.5 | 108.3 | 108.3 |
| 8. | AG Outside Services Employed | 798 | 490.7 | 485.8 | 425.6 | 752.9 | 561.6 | 561.6 |
| 9. | AG Miscellaneous General Expenses | 799 | 2,494.8 | 2,588.4 | 2,508.4 | 2,776.6 | 2,820.9 | 2,820.9 |
| 10. | AG Maintenance of General Plant | 805 | 91.5 | 114.8 | 178.3 | 200.5 | 172.2 | 172.2 |
| 11. | AG Rents | 811 | 239.5 | 269.6 | 235.6 | 311.0 | 312.6 | 312.6 |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 6,449.1 | 7,166.1 | 6,653.6 | 7,450.4 | 6,734.0 | 6,734.0 |
| 22. | O&M Expense per customer ² | | 105.3 | 116.5 | 107.2 | 117.8 | 105.2 | 105.2 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

Filing: Final

SUMMARY OF A&G EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 117.4 | 119.1 | 121.3 | 124.0 | 153.6 | O&M RO |
| 3. | AG Property Insurance | 793 | 252.3 | 278.4 | 818.0 | 824.2 | 147.0 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 556.5 | 564.8 | 575.2 | 587.9 | 757.8 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 1,986.7 | 2,159.8 | 2,226.5 | 2,322.5 | 1,572.1 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 603.8 | 603.8 | 219.0 | 875.8 | 385.5 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 585.0 | 593.7 | 654.6 | 655.5 | 419.0 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 2,803.1 | 2,926.3 | 3,072.7 | 3,045.7 | 2,392.6 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 162.5 | 164.9 | 168.0 | 171.7 | 142.6 | O&M RO |
| 10. | AG Rents | 811 | 287.1 | 294.8 | 458.9 | 380.4 | 314.6 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 7,354.4 | 7,705.8 | 8,314.1 | 8,987.6 | 6,284.9 | |
| 22. | O&M Expense per customer ² | | 103.9 | 108.3 | 116.2 | 125.0 | 96.3 | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

Filing: Final

EXPENSES PER CUSTOMER (Recorded Years)

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | |
|-------------|---|----------------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 6,436.3 | 6,531.1 | 6,866.3 | 7,014.4 |
| 2. | Purchased Water | 1,656.5 | 1,655.3 | 1,577.9 | 2,198.3 |
| 3. | Purchased Power | 2,116.4 | 1,811.5 | 1,918.6 | 1,950.7 |
| 4. | Chemicals | 295.5 | 237.8 | 263.9 | 293.9 |
| 5. | Operation Expense | 1,094.4 | 1,043.4 | 1,286.6 | 1,505.4 |
| 6. | Maintenance (excluding Amort Tank Painting) | 682.3 | 728.5 | 885.7 | 945.9 |
| 7. | Amortization of Tank Painting | 186.3 | 215.5 | 156.0 | 152.9 |
| 8. | Customer Accounting | 579.7 | 586.0 | 592.8 | 605.3 |
| 9. | Uncollectible Expense | 423.3 | 279.9 | 382.6 | 407.9 |
| 10. | Insurance | 854.3 | 1,188.4 | 821.4 | 597.6 |
| 11. | Pensions and Benefits | 1,609.8 | 2,247.4 | 2,089.8 | 2,138.6 |
| 12. | Regulatory Expenses | 571.3 | 170.2 | 286.0 | 550.5 |
| 13. | Rents | 239.5 | 269.6 | 235.6 | 311.0 |
| 14. | Other Administrative & General | 3,174.2 | 3,290.5 | 3,220.8 | 3,852.7 |
| 15. | Service Company Costs | 4,721.2 | 4,768.8 | 4,805.3 | 4,257.0 |
| 16. | Citizens Acquisition Premium | 1,562.9 | 1,509.2 | 1,455.5 | 1,433.0 |
| 17. | General Office Return on Rate Base | 582.8 | 688.5 | 765.7 | 655.9 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | |
| 1. | Labor | 105.1 | 106.2 | 110.6 | 110.9 | 105.6 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 27.0 | 26.9 | 25.4 | 34.8 | 29.8 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 34.5 | 29.5 | 30.9 | 30.9 | 30.6 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 4.8 | 3.9 | 4.3 | 4.6 | 4.6 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 17.9 | 17.0 | 20.7 | 23.8 | 28.5 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 11.1 | 11.8 | 14.3 | 15.0 | 12.9 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 3.0 | 3.5 | 2.5 | 2.4 | 2.4 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 9.5 | 9.5 | 9.5 | 9.6 | 9.9 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.9 | 4.6 | 6.2 | 6.5 | 6.1 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 13.9 | 19.3 | 13.2 | 9.5 | 12.7 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 26.3 | 36.5 | 33.7 | 33.8 | 28.4 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.3 | 2.8 | 4.6 | 8.7 | 1.7 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 3.9 | 4.4 | 3.8 | 4.9 | 4.9 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 51.8 | 53.5 | 51.9 | 60.9 | 57.5 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 77.1 | 77.5 | 77.4 | 67.3 | 66.0 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 25.5 | 24.5 | 23.4 | 22.7 | 26.9 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 9.5 | 11.2 | 12.3 | 10.4 | 11.6 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated and Projected Years | | | |
|----------|---|-------------------------------|---------|---------|---------|
| | | 2019 | 2020 | 2021 | 2022 |
| 1. | Labor | 8,485.5 | 8,705.1 | 8,938.6 | 9,182.0 |
| 2. | Purchased Water | 3,767.9 | 3,774.3 | 3,780.7 | 3,814.8 |
| 3. | Purchased Power | 2,516.0 | 2,559.4 | 2,612.2 | 2,675.4 |
| 4. | Chemicals | 283.0 | 287.3 | 292.5 | 299.0 |
| 5. | Operation Expense | 1,101.0 | 1,177.6 | 1,578.1 | 1,397.2 |
| 6. | Maintenance (excluding Amort Tank Painting) | 903.0 | 916.5 | 933.4 | 954.0 |
| 7. | Amortization of Tank Painting | 304.4 | 511.8 | 479.9 | 513.6 |
| 8. | Customer Accounting | 721.9 | 732.4 | 746.1 | 762.8 |
| 9. | Uncollectible Expense | 346.6 | 347.4 | 348.2 | 378.1 |
| 10. | Insurance | 808.8 | 843.2 | 1,393.2 | 1,412.1 |
| 11. | Pensions and Benefits | 1,986.7 | 2,159.8 | 2,226.5 | 2,322.5 |
| 12. | Regulatory Expenses | 603.8 | 603.8 | 219.0 | 875.8 |
| 13. | Rents | 287.1 | 294.8 | 458.9 | 380.4 |
| 14. | Other Administrative & General | 3,667.9 | 3,804.1 | 4,016.6 | 3,996.9 |
| 15. | Service Company Costs | 4,738.2 | 4,797.3 | 4,881.1 | 4,991.4 |
| 16. | Citizens Acquisition Premium | 1,728.6 | 1,735.5 | 1,742.9 | 1,751.5 |
| 17. | General Office Return on Rate Base | 864.6 | 1,135.0 | 1,313.0 | 1,354.7 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 1,716.8 | 1,680.9 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 138.5 | 141.6 | 144.0 | 145.2 | 96.7 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 61.5 | 61.4 | 60.9 | 60.3 | 45.3 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 41.1 | 41.6 | 42.1 | 42.3 | 34.8 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 4.6 | 4.7 | 4.7 | 4.7 | 4.2 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 18.0 | 19.1 | 25.4 | 22.1 | 22.5 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 14.7 | 14.9 | 15.0 | 15.1 | 33.5 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 5.0 | 8.3 | 7.7 | 8.1 | 5.4 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 11.8 | 11.9 | 12.0 | 12.1 | 9.0 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 5.7 | 5.6 | 5.6 | 6.0 | 4.5 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 13.2 | 13.7 | 22.4 | 22.3 | 13.9 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 32.4 | 35.1 | 35.9 | 36.7 | 24.1 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.9 | 9.8 | 3.5 | 13.9 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 4.7 | 4.8 | 7.4 | 6.0 | 4.8 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 59.9 | 61.9 | 64.7 | 63.2 | 47.6 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 77.3 | 78.0 | 78.6 | 78.9 | 62.5 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 28.2 | 28.2 | 28.1 | 27.7 | 26.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 14.1 | 18.5 | 21.1 | 21.4 | 12.9 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 27.7 | 26.6 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses
1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|--------|--------|--------|--------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | 1.5% | 5.1% | 2.2% | -3.6% |
| 2. | Purchased Water | N/A | -0.1% | -4.7% | 39.3% | -13.2% |
| 3. | Purchased Power | N/A | -14.4% | 5.9% | 1.7% | 0.4% |
| 4. | Chemicals | N/A | -19.5% | 11.0% | 11.3% | -0.7% |
| 5. | Operation - Source of Supply (SS) | N/A | -4.7% | 23.3% | 17.0% | 21.3% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | 6.8% | 21.6% | 6.8% | -13.0% |
| 7. | Amortization of Tank Painting | N/A | 15.7% | -27.6% | -2.0% | 1.3% |
| 8. | Customer Accounting | N/A | 1.1% | 1.2% | 2.1% | 4.3% |
| 9. | Uncollectible Expense | N/A | -33.9% | 36.7% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 39.1% | -30.9% | -27.2% | 36.6% |
| 11. | Pensions and Benefits | N/A | 39.6% | -7.0% | 2.3% | -15.0% |
| 12. | Regulatory Expenses | N/A | -70.2% | 68.0% | 92.5% | -80.3% |
| 13. | Rents | N/A | 12.6% | -12.6% | 32.0% | 0.5% |
| 14. | Other Administrative & General | N/A | 3.7% | -2.1% | 19.6% | -4.5% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | -3.4% | -3.6% | -1.5% | 20.2% |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 23. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|--------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 25.5% | 2.6% | 2.7% | 2.7% | | 41.5% |
| 2. | Purchased Water | 97.4% | 0.2% | 0.2% | 0.9% | | 27.7% |
| 3. | Purchased Power | 28.5% | 1.7% | 2.1% | 2.4% | | 15.1% |
| 4. | Chemicals | -3.1% | 1.5% | 1.8% | 2.2% | | 7.9% |
| 5. | Operation - Source of Supply (SS) | -39.7% | 6.9% | 34.0% | -11.5% | | 7.4% |
| 6. | Maintenance (excluding Amort Tank Painting) | 9.7% | 1.5% | 1.8% | 2.2% | | -57.3% |
| 7. | Amortization of Tank Painting | 96.5% | 68.1% | -6.2% | 7.0% | | 37.0% |
| 8. | Customer Accounting | 14.4% | 1.5% | 1.9% | 2.2% | | 26.5% |
| 9. | Uncollectible Expense | -10.7% | 0.2% | 0.2% | 8.6% | | 19.8% |
| 10. | Insurance | -0.9% | 4.3% | 65.2% | 1.4% | | 54.0% |
| 11. | Pensions and Benefits | 9.3% | 8.7% | 3.1% | 4.3% | | 41.6% |
| 12. | Regulatory Expenses | 457.6% | 0.0% | -63.7% | 300.0% | | -43.2% |
| 13. | Rents | -8.1% | 2.7% | 55.7% | -17.1% | | 45.9% |
| 14. | Other Administrative & General | -0.3% | 3.7% | 5.6% | -0.5% | | 29.2% |
| 15. | Service Company Costs | 12.1% | 1.2% | 1.7% | 2.3% | | 19.6% |
| 16. | Citizens Acquisition Premium | 0.4% | 0.4% | 0.4% | 0.5% | | 1.2% |
| 17. | General Office Return on Rate Base | 16.2% | 31.3% | 15.7% | 3.2% | | 55.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | -2.1% | | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | | N/A |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | | |
| 23. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|-------|-------|-------|-------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| | <u>Payroll Expense</u> | | | | | |
| 1. | Salaries | N/A | 5.5% | 5.2% | 3.3% | -3.2% |
| 2. | Overtime | N/A | 11.2% | -1.8% | 19.2% | -7.5% |
| 3. | Total Salaries | N/A | 5.8% | 4.8% | 4.0% | -3.4% |
| 4. | Capitalized Payroll | N/A | 27.2% | 3.5% | 11.6% | -2.7% |
| 5. | Total Net Payroll | N/A | 1.5% | 5.1% | 2.2% | -3.6% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | N/A | 5.4% | 3.8% | 2.2% | -4.6% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | N/A | 5.3% | -2.5% | 1.9% | 1.3% |
| 12. | | | | | | |
| 13. | Number of employees | N/A | 5.7% | -1.6% | 3.8% | 2.6% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | 0.4% | 1.0% | 1.8% | 1.3% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

Filing: Final

PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: % calculations include allocation of General Office costs

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | | 2021 | 2022 |
| 1. | Salaries | 24.6% | 2.6% | 2.7% | 2.8% | 41.9% |
| 2. | Overtime | -4.7% | 2.3% | 2.3% | 2.3% | 20.4% |
| 3. | Total Salaries | 23.0% | 2.6% | 2.7% | 2.7% | 40.9% |
| 4. | Capitalized Payroll | 13.9% | 2.7% | 2.8% | 2.8% | 38.4% |
| 5. | Total Net Payroll | 25.5% | 2.6% | 2.7% | 2.7% | 41.5% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 11.2% | 2.1% | 2.2% | 2.2% | 28.6% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 6.9% | -0.5% | -0.5% | -0.5% | 7.3% |
| 12. | | | | | | |
| 13. | Number of employees | 18.2% | 0.0% | 0.0% | 0.0% | 17.5% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | 10.6% | 0.5% | 0.5% | 0.5% | 9.6% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--------------------------------|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 1. | Ad Valorem | 507 | 1,730.8 | 1,784.4 | 1,835.3 | 1,794.2 |
| 2. | Franchise Taxes | 507 | 173.4 | 96.2 | 263.3 | 172.3 |
| 3. | Payroll Taxes | 507 | 482.9 | 508.8 | 524.2 | 504.3 |
| 4. | Other | 507 | 4.2 | 39.3 | 38.0 | 38.2 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 2,391.4 | 2,428.7 | 2,660.9 | 2,509.0 |
| 9. | Other Tax Expense per customer | | 39.0 | 39.49 | 42.86 | 39.68 |
| | | | | | | 42.82 |

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--------------------------------|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | Ad Valorem | 507 | 1,899.4 | 2,001.4 | 2,225.3 | 2,540.4 | 1,815.7 | OTAX RO |
| 2. | Franchise Taxes | 507 | 2.3 | 2.3 | 2.3 | 2.4 | 7.5 | OTAX RO |
| 3. | Payroll Taxes | 507 | 620.0 | 633.3 | 647.1 | 661.3 | 519.1 | OTAX RO |
| 4. | Other | 507 | 24.4 | 24.8 | 25.3 | 25.8 | 13.7 | OTAX RO |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | Total Other Taxes | | 2,546.1 | 2,661.8 | 2,900.1 | 3,229.9 | 2,356.1 | |
| 9. | Other Tax Expense per customer | | 35.96 | 37.40 | 40.54 | 44.91 | 36.1 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables regarding the calculation of taxes based on income. The tables are presented as follows:

Table 6.1 – Calculation of Income Taxes at Present Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2020, and Attrition Year 2021 at the current or anticipated present rates in effect at the time.

Table 6.2 – Calculation of Income Taxes at Proposed Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2022, and Attrition Year 2023 if the tariff rates proposed by California American Water in this application are approved.

Information About Calculations

The methods used to compute taxable income are as follows:

- 1) Operating Revenues as shown on Chapter 2 – Tables 2.2 and 2.3 of the RO Report.
- 2) Total Operating Expenses and Uncollectibles as shown on Chapter 2- Tables 2.2 and 2.3 of the RO Report.
- 3) Book Depreciation as shown on Chapter 2 – Tables 2.2 and 2.3. California American Water has adopted FAS 109 and defers the difference between depreciation recorded on its books and depreciation used to calculate its taxable income.
- 4) Domestic Production Activity Deduction was calculated based on Internal Revenue Code Section 199 guidelines. Section 199 provides for a tax deduction based on qualified production activity income or wages whichever is less.
- 5) Rate Making Interest Expense was calculated using the Interest Synchronization Method that requires the application of the weighted cost of debt used in the calculation of the Rate of Return shown on Exhibit C to the net rate base shown on Chapter 9- Table 9.2 of the RO Report.
- 6) Taxes Other Than Income Taxes as shown on Exhibit A, Chapter 2, Tables 2.2 and 2.3.

- 7) Deferred Taxes can constitute one or more of the following:
- a. Investment Tax Credits that include the amortization of amounts deferred in previous years in accordance with previous provisions of the Federal Tax Code.
 - b. An adjustment to taxable net income resulting from the write-off of deferred income taxes amounts that resulted from a decrease in prior tax rates from 46% to 35%, known as the reverse South Georgia method. Additional deferred income taxes resulting from the reverse South Georgia method decrease have been grossed-up in accordance with FAS 109.
 - c. Additional deferred taxes resulting from bonus depreciation.

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|-------------------------------------|----------------|----------------|------------------------|------------------------------|----------------|-----------------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 66,567.3 | 66,722.8 | 66,874.5 | 72,621.2 | 76,765.4 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | | | |
| 3. | Operating Exps less uncollectibles | 32,768.4 | 34,038.0 | 37,329.4 | 38,365.0 | 38,940.5 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 346.6 | 347.4 | 348.2 | 378.1 | 378.1 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 10,407.8 | 11,360.3 | 12,307.9 | 13,399.8 | 14,491.7 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 4,535.1 | 5,020.4 | 5,414.8 | 5,889.0 | 6,363.3 | CH09, Tbl 9.2 |
| 8. | General Taxes | 2,546.1 | 2,661.8 | 2,900.1 | 3,229.9 | 3,592.0 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (36.3) | (36.8) | (37.5) | (38.3) | (39.2) | O&M RO |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | | | |
| 12. | Federal | 50,567.7 | 53,391.1 | 58,262.8 | 61,223.5 | 63,726.4 | Sum(Ln3...Ln10) |
| 13. | State | 50,567.7 | 53,391.1 | 58,262.8 | 61,223.5 | 63,726.4 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: **Final**

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|---|----------------|----------------|------------------------|------------------------------|----------------|--|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 15,999.6 | 13,331.8 | 8,611.7 | 11,397.7 | 13,039.0 | Calculated Ln13 X % N/A |
| 15. | State Income Tax @ (see below) | 1,414.4 | 1,178.5 | 761.3 | 1,007.6 | 1,152.7 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln15 + Ln 16 |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 1,414.4 | 1,178.5 | 761.3 | 1,007.6 | 1,152.7 | Calculated Ln19 X % WP Amort ITC |
| 19. | Taxable Income - Federal | 14,585.2 | 11,917.4 | 7,433.1 | 10,145.0 | 11,667.0 | |
| 20. | Federal Income Tax @ (See below) | 3,062.9 | 2,502.7 | 1,561.0 | 2,130.5 | 2,450.1 | Sum(Ln20...Ln22) |
| 21. | Less: Amort Deferred Federal ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 22. | Less: Amort Excess Deferred Taxes | 0.0 | 0.0 | (850.0) | (851.9) | (860.5) | Ln18 + Ln 23 |
| 23. | FEDERAL INCOME TAX | 3,062.9 | 2,502.7 | 710.9 | 1,278.5 | 1,589.6 | |
| 24. | TOTAL TAXES ON INCOME | 4,477.3 | 3,681.2 | 1,472.2 | 2,286.1 | 2,742.2 | Statutory Rate |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|----------|-------------------------------------|-----------|-----------------|----------------|----------------|
| | | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 72,462.6 | 76,765.4 | 80,593.4 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | |
| 3. | Operating Exps less uncollectibles | 37,329.4 | 38,365.0 | 38,940.5 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 377.3 | 399.7 | 398.0 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 12,307.9 | 13,399.8 | 14,491.7 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 5,414.8 | 5,889.0 | 6,363.3 | CH09, Tbl 9.2 |
| 8. | General Taxes | 2,900.1 | 3,229.9 | 3,592.0 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (37.5) | (38.3) | (39.2) | CH06, Tbl 6.1 |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | |
| 12. | Federal | 58,291.9 | 61,245.1 | 63,746.3 | Sum(Ln3...Ln9) |
| 13. | State | 58,291.9 | 61,245.1 | 63,746.3 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|---|-----------------------------------|-----------|-----------------|----------------|---|
| | | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 14,170.7 | 15,520.3 | 16,847.1 | Calculated Ln13 X % CH06, Tbl 6.1 |
| 15. | State Income Tax @ (see below) | 1,252.7 | 1,372.0 | 1,489.3 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 1,252.7 | 1,372.0 | 1,489.3 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 12,992.1 | 14,267.7 | 15,475.1 | Calculated Ln18 X % CH06, Tbl 6.1 |
| 20. | Federal Income Tax @ (See below) | 2,728.3 | 2,996.2 | 3,249.8 | |
| 21. | Less: Amort Deferred Federal ITC | 0.0 | 0.0 | 0.0 | |
| 22. | Less: Amort Excess Deferred Taxes | (850.0) | (851.9) | (860.5) | |
| 23. | FEDERAL INCOME TAX | 1,878.3 | 2,144.3 | 2,389.3 | Ln19 + Ln 20 |
| 24. | TOTAL TAXES ON INCOME | 3,131.0 | 3,516.3 | 3,878.5 | Ln17 + Ln 21 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are thereofore, calculated at the District / Division level. | | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the Northern Division of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 297,103.8 | 296,731.6 | 305,312.7 | 321,433.6 | 337,278.3 |
| 2. | Gross Additions During Year | 12,703.8 | 14,450.3 | 17,130.7 | 16,485.9 | 27,484.0 |
| 3. | Retirements | 13,089.8 | 407.7 | 605.8 | 594.9 | 1,537.3 |
| 4. | Sales and Adjustments | 13.8 | (5,461.5) | (404.0) | (46.2) | (167.4) |
| 5. | Net Additions | (372.3) | 8,581.1 | 16,120.9 | 15,844.7 | 25,779.3 |
| 6. | Construction Work in Progress Beg. Bal. | 10,405.3 | 6,410.2 | 9,184.8 | 15,810.7 | 18,615.0 |
| 7. | Construction Work in Progress End Bal. | 6,410.2 | 9,184.8 | 15,810.7 | 18,615.0 | 9,499.3 |
| 8. | Net Change During Year - CWIP | (3,995.1) | 2,774.6 | 6,625.9 | 2,804.3 | (9,115.7) |
| 9. | Total Beg. Utility Plant and CWIP | 307,509.1 | 303,141.7 | 314,497.5 | 337,244.3 | 355,893.3 |
| 10. | Net Additions - Total | (4,367.4) | 11,355.8 | 22,746.8 | 18,649.0 | 16,663.6 |
| 11. | 6 Year Average Weighting Factor (1) | 45.30% | 45.34% | 45.68% | 45.49% | 42.18% |
| 12. | Weighted Average Utility Plant | 305,530.7 | 308,290.1 | 324,887.8 | 345,728.1 | 362,921.3 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|--|---|-----------|-----------|---------------------|-----------------|---------------------------|-------------|
| | | 2019 | 2020 | | | | |
| 1. | Plant in Service Beg. of Year | 363,057.5 | 397,422.4 | 426,852.4 | 455,550.3 | 339,302.3 | PLT RO |
| 2. | Gross Additions During Year | 16,561.7 | 25,079.2 | 29,453.6 | 37,376.4 | 10,029.1 | PLT RO |
| 3. | Retirements | 235.1 | 459.2 | 755.7 | 769.4 | 251.4 | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | L5-L2+L3 |
| 5. | Net Additions | 16,326.6 | 24,620.1 | 28,697.9 | 36,607.0 | 9,777.8 | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 9,499.3 | 11,226.0 | 7,457.5 | 5,962.7 | 8,225.2 | PLT RO |
| 7. | Construction Work in Progress End Bal. | 11,226.0 | 7,457.5 | 5,962.7 | 6,787.9 | 8,486.3 | L7+L6 |
| 8. | Net Change During Year - CWIP | 1,726.6 | (3,768.5) | (1,494.8) | 825.2 | 261.1 | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 372,556.9 | 408,648.3 | 434,309.9 | 461,513.0 | 347,527.5 | L1+L6 |
| 10. | Net Additions - Total | 18,053.3 | 20,851.6 | 27,203.1 | 37,432.3 | 10,038.9 | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 44.35% | 44.48% | 42.18% | 43.01% | 40.94% | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 380,562.8 | 417,923.9 | 445,783.7 | 477,612.5 | 351,637.4 | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|-------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 297,103.8 | 296,731.6 | 305,312.7 | 321,433.6 | 337,278.3 |
| 2. | Gross Additions During Year | 12,703.8 | 14,450.3 | 17,130.7 | 16,485.9 | 27,484.0 |
| 3. | MISC Adjustments | 13.8 | (5,461.5) | (404.0) | (46.2) | (167.4) |
| 4. | Less Retirements | 13,089.8 | 407.7 | 605.8 | 594.9 | 1,537.3 |
| 5. | Plant in Service End. of Year | 296,731.6 | 305,312.7 | 321,433.6 | 337,278.3 | 363,057.5 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|-------------------------------|-----------|-----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | 2018 | |
| 1. | Plant in Service Beg. of Year | 363,057.5 | 397,422.4 | 426,852.4 | 455,550.3 | 339,302.3 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 16,561.7 | 25,079.2 | 29,453.6 | 37,376.4 | 10,029.1 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 235.1 | 459.2 | 755.7 | 769.4 | 251.4 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 379,384.2 | 422,042.4 | 455,550.3 | 492,157.4 | 349,080.0 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 305,530.7 | 308,290.1 | 324,887.8 | 345,728.1 | 362,921.3 |
| 2. | Average Customers | 61,115.0 | 61,379.0 | 61,794.0 | 62,658.0 | 63,628.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 5.0 | 5.0 | 5.3 | 5.5 | 5.7 |
| 4. | Change in Weighted Average Utility Plant | N/A | 2,759.4 | 16,597.6 | 20,840.4 | 17,193.2 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 0.90% | 5.38% | 6.41% | 4.97% |
| 6. | Percent of Incr. in Wgthd Avg Utility Plant Per Customer | N/A | 0.0000% | 0.0001% | 0.0001% | 0.0001% |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 380,562.8 | 417,923.9 | 445,783.7 | 477,612.5 | 351,637.4 | 94,146.3 | EXA Tbl 7.1 |
| 2. | Average Customers | 70,851.5 | 71,007.0 | 71,163.0 | 71,319.0 | 64,929.0 | 6,234.0 | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 5.4 | 5.9 | 6.3 | 6.7 | 5.4 | 15.1 | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 17,641.5 | 37,361.1 | 27,859.8 | 31,828.8 | N/A | 94,146.3 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 4.86% | 9.82% | 6.67% | 7.14% | N/A | 26.77% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | 0.0001% | 0.0001% | 0.0001% | 0.0001% | N/A | 0.0004% | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the Northern Division of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its Northern Division. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the Central Division.

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 108,774.6 | 103,249.1 | 108,890.8 | 117,183.4 | 124,215.6 |
| 2. | Annual Accrual Including CIAC Depreciation | 7,945.5 | 8,235.8 | 8,734.2 | 9,119.4 | 9,840.4 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 13,089.8 | 407.7 | 605.8 | 594.9 | 1,537.3 |
| 5. | (Salvage) and Cost of Removal | (381.4) | (1,860.3) | (625.4) | (437.3) | (857.5) |
| 6. | Depreciation Reserve Adjustments | 0.1 | (326.1) | 789.6 | (1,055.1) | (210.2) |
| 7. | | | | | | |
| 8. | Net Accrual | (5,525.6) | 5,641.7 | 8,292.6 | 7,032.2 | 7,235.3 |
| 9. | 6 Year Average Weighting Factor (1) | 44.94% | 44.74% | 44.83% | 44.85% | 44.79% |
| 10. | Weighted Average Depreciation | (2,483.2) | 2,524.3 | 3,717.7 | 3,153.6 | 3,240.9 |
| 11. | Weighted Average Depreciation Reserve | 106,291.4 | 105,773.3 | 112,608.5 | 120,337.0 | 127,456.5 |
| | (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 131,450.9 | 141,073.1 | 151,137.8 | 162,029.4 | 125,208.0 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 10,303.4 | 11,148.4 | 11,919.4 | 12,825.5 | 9,300.2 | DEPR RO |
| 3. | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 235.1 | 459.2 | 755.7 | 769.4 | 251.4 | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | (446.1) | (624.6) | (272.1) | (331.7) | (251.3) | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | |
| 8. | Net Accrual | 9,622.3 | 10,064.7 | 10,891.6 | 11,724.4 | 8,797.5 | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 44.80% | 44.84% | 44.82% | 44.76% | 47.53% | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 4,311.2 | 4,513.5 | 4,881.9 | 5,247.6 | 4,181.6 | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 135,762.1 | 145,586.6 | 156,019.8 | 167,277.1 | 129,389.6 | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 108,774.6 | 103,249.1 | 108,890.8 | 117,183.4 | 124,215.6 |
| 2. | Annual Accrual Including CIAC Depreciation | 7,945.5 | 8,235.8 | 8,734.2 | 9,119.4 | 9,840.4 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 13,089.8 | 407.7 | 605.8 | 594.9 | 1,537.3 |
| 4. | (Salvage) and Cost of Removal | (381.4) | (1,860.3) | (625.4) | (437.3) | (857.5) |
| 5. | Depreciation Reserve Adjustments | 0.1 | (326.1) | 789.6 | (1,055.1) | (210.2) |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 103,249.1 | 108,890.8 | 117,183.4 | 124,215.6 | 131,450.9 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 131,450.9 | 141,073.1 | 151,137.8 | 162,029.4 | 125,208.0 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 10,303.4 | 11,148.4 | 11,919.4 | 12,825.5 | 9,300.2 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 235.1 | 459.2 | 755.7 | 769.4 | 251.4 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | (446.1) | (624.6) | (272.1) | (331.7) | (251.3) | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 141,073.1 | 151,137.8 | 162,029.4 | 173,753.8 | 134,005.5 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in property required to provide quality service to customers in its Northern Division. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

Northern Division - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-------------|-------------|-------------|-------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 305,530.7 | 308,290.1 | 324,887.8 | 345,728.1 | 362,921.3 |
| 2. | Materials and Supplies | 200.7 | 266.1 | 271.6 | 311.3 | 255.7 |
| 3. | Working Cash, Operational | 2,855.6 | 3,677.4 | 6,313.8 | 6,830.0 | 7,612.7 |
| 4. | Working Cash, Lead Lag | 2,986.0 | 2,986.0 | 2,428.1 | 2,431.9 | 2,357.5 |
| 5. | SUBTOTAL | 311,573.0 | 315,219.7 | 333,901.2 | 355,301.3 | 373,147.3 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (106,291.4) | (105,773.3) | (112,608.5) | (120,337.0) | (127,456.5) |
| 9. | Advances for Construction | (8,415.2) | (8,454.8) | (9,052.4) | (9,934.7) | (11,815.5) |
| 10. | Unamortized Advances (20 Yr Amort) | (9,459.7) | (8,198.4) | (6,937.1) | (5,675.8) | (4,414.5) |
| 11. | Contributions in Aid of Construction | (17,697.8) | (17,589.1) | (17,445.6) | (17,730.4) | (18,106.5) |
| 12. | Unamortized Contributions (20 Yr Amort) | (3,185.0) | (2,760.5) | (2,336.0) | (1,911.5) | (1,487.0) |
| 13. | Accumulated Deferred Federal Income Taxes | (14,702.1) | (14,357.1) | (11,995.8) | (11,232.1) | (16,195.0) |
| 14. | Accumulated Deferred State Income Taxes | (4,073.8) | (4,529.0) | (6,065.5) | (6,593.1) | (6,054.4) |
| 15. | SUBTOTAL DEDUCTIONS | (163,824.9) | (161,662.1) | (166,440.7) | (173,414.6) | (185,529.3) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 147,748.0 | 153,557.6 | 167,460.5 | 181,886.8 | 187,617.9 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 4,609.7 | 4,791.0 | 5,224.8 | 5,674.9 | 4,709.2 |

Rate Base Calc EXA Tbl 9.1

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Weighted Average Rate Base
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-------------|-------------|---------------------|-------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| 1. | Weighted Average Utility Plant in Service | 380,562.8 | 417,923.9 | 445,783.7 | 477,612.5 | | 351,637.4 | RB RO |
| 2. | Materials and Supplies | 278.2 | 435.5 | 443.5 | 453.3 | | 264.4 | RB RO |
| 3. | Working Cash, Operational | 10,577.0 | 9,357.0 | 8,756.1 | 8,143.0 | | 2,455.1 | RB RO |
| 4. | Working Cash, Lead Lag | 2,886.8 | 3,023.8 | 3,295.9 | 3,492.3 | | 2,357.5 | RB RO |
| 5. | SUBTOTAL | 394,304.8 | 430,740.4 | 458,279.2 | 489,701.2 | | 356,714.4 | Sum (L1:L4) |
| 6. | | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (135,762.1) | (145,586.6) | (156,019.8) | (167,277.1) | | (129,389.6) | RB RO |
| 9. | Advances for Construction | (15,457.2) | (19,020.9) | (21,703.9) | (24,510.1) | | (9,288.5) | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | (3,153.15) | (1,891.9) | (630.7) | (0.1) | | (4,414.5) | RB RO |
| 11. | Contributions in Aid of Construction | (31,007.4) | (33,827.1) | (33,847.3) | (33,875.5) | | (13,998.6) | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | (1,062.5) | (638.0) | (213.5) | (0.6) | | (1,487.0) | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (21,017.1) | (23,558.8) | (23,971.6) | (23,373.1) | | (18,136.3) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (6,164.9) | (6,201.8) | (6,164.2) | (6,042.1) | | (5,997.2) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (213,624.3) | (230,725.0) | (242,550.9) | (255,078.6) | | (182,711.6) | Sum (L7:L14) |
| 16. | | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 180,680.5 | 200,015.4 | 215,728.4 | 234,622.6 | | 174,002.8 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | | 5.02% | RB RO |
| 19. | Rate Making Interest | 4,535.1 | 5,020.4 | 5,414.8 | 5,889.0 | | 8,734.9 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-------------|-------------|-------------|-------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$147,748.0 | \$153,557.6 | \$167,460.5 | \$181,886.8 | \$187,617.9 |
| 2. | Average Customers | 61,115.0 | 61,379.0 | 61,794.0 | 62,658.0 | 63,628.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 2.4 | 2.5 | 2.7 | 2.9 | 2.9 |
| 4. | Change in Weighted Average Rate Base | N/A | 5,809.5 | 13,902.9 | 14,426.2 | 5,731.2 |
| 5. | Percent of Increase in Weighted Average Rate Base | N/A | 3.93% | 9.05% | 8.61% | 3.15% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | 0.0001% | 0.0001% | 0.0001% | 0.0000% |

CALIFORNIA-AMERICAN WATER COMPANY
Northern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|---|-------------|-------------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$180,680.5 | \$200,015.4 | \$215,728.4 | \$234,622.6 | \$174,002.8 | \$41,725.5 | RB RO |
| 2. | Average Customers | 70,851.5 | 71,007.0 | 71,163.0 | 71,319.0 | 64,929.0 | 6,234.0 | ExAch3 TBL3,4,3,5 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 2.6 | 2.8 | 3.0 | 3.3 | 2.68 | 6.7 | L1/L2 |
| 4. | Change in Weighted Average Rate Base | (6,937.5) | 19,334.9 | 15,713.0 | 18,894.2 | N/A | 41,725.5 | Calculated |
| 5. | Percent of Increase in Weighted Average Rate Base | -3.70% | 10.70% | 7.86% | 8.76% | N/A | 23.98% | Calculated |
| 6. | Percent of Incr. in Wgtd Avg Rate Base Per Customer | -0.0001% | 0.0002% | 0.0001% | 0.0001% | N/A | 0.0004% | L2/L5 |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Tables in this chapter contain information regarding an analysis of billing information by customer class for the Sacramento District. The analysis prices the average level of consumption using current tariff rates and rates proposed by California American Water for customers in its Sacramento District in this application. The information is presented as follows:

Table 10.1 - These tables contain a comparison of bills at the average level of consumption at both present rates and rates California American Water proposes to become effective January 1, 2018 for customers in its Sacramento District. Information is presented under consolidation.

Table 10.2 - This table contains information about tariff rates currently in effect for customers of the Sacramento District of California American Water.

Table 10.3 - This table contains information about tariff rates California American Water proposes be placed into effect on January 1, 2018 for customers of its Sacramento District. Information is presented under consolidation.

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Sacramento Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Sacramento | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 85.65 | | |
| Customer Class | Residential | | |

| Sacramento Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Sacramento | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 85.65 | | |
| Customer Class | Residential | | |

| Sacramento Current | | | |
|------------------------------|-------|-----------------|-----------|
| Water Service Charge | 5/8 | | \$14.01 |
| Water Usage Charge: | | Units (per CGL) | Charge |
| Tier 1 | 74.80 | \$0.3741 | \$27.98 |
| Tier 2 | 10.85 | \$0.5015 | \$5.44 |
| Tier 3 | 0.00 | \$0.7849 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 85.65 | | \$33.42 |
| Subtotal Base Bill | | | |
| \$47.43 | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 85.65 | \$0.0098 | \$0.84 |
| CEBA | 85.65 | \$0.0133 | \$1.14 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 85.65 | \$0.0617 | \$5.28 |
| Purchased Water | 85.65 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| \$9.08 | | | |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.68 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1.11 |
| Subtotal Taxes & Fees | | | |
| \$1.80 | | | |
| Total Bill | | | |
| \$58.30 | | | |

| Sacramento Proposed | | | |
|------------------------------|-------|-----------------|-----------|
| Water Service Charge | 5/8 | | \$18.21 |
| Water Usage Charge: | | Units (per CGL) | Charge |
| Tier 1 | 44.90 | \$0.3381 | \$15.18 |
| Tier 2 | 37.40 | \$0.4508 | \$16.86 |
| Tier 3 | 3.35 | \$0.6367 | \$2.13 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 85.65 | | \$34.17 |
| Subtotal Base Bill | | | |
| \$52.38 | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 85.65 | \$0.0062 | \$0.53 |
| CEBA | 85.65 | \$0.0315 | \$2.69 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 85.65 | \$0.0617 | \$5.28 |
| Purchased Water | 85.65 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| \$10.62 | | | |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.77 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1.25 |
| Subtotal Taxes & Fees | | | |
| \$2.02 | | | |
| Total Bill | | | |
| \$65.02 | | | |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Sacramento Current | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Sacramento | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2 | | | |
| Estimated consumption (CGL's) | 513.44 | | | |
| Customer Class | Commercial | | | |

| Sacramento Proposed | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Sacramento | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2 | | | |
| Estimated consumption (CGL's) | 513.44 | | | |
| Customer Class | Commercial | | | |

| Sacramento Current | | | | |
|------------------------------|---------------------|-----------------------------|--------------------|-----------|
| Water Service Charge | 2 | | | \$112.08 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 513.44 | Units (per CGL) \$0.4361 | Charge \$223.90 | |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 513.44 | | \$223.90 | |
| Subtotal Base Bill | | | | \$335.98 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 513.44 | \$0.0098 | \$5.05 | |
| CEBA | 513.44 | \$0.0133 | \$6.83 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 513.44 | \$0.0617 | \$31.68 | |
| Purchased Water | 513.44 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$45.36 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | \$4.63 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$7.53 | |
| Subtotal Taxes & Fees | | | | \$12.15 |
| Total Bill | | | | \$393.49 |

| Sacramento Proposed | | | | |
|------------------------------|---------------------|-----------------------------|--------------------|-----------|
| Water Service Charge | 2 | | | \$145.70 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 513.44 | Units (per CGL) \$0.4508 | Charge \$231.45 | |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 513.44 | | \$231.45 | |
| Subtotal Base Bill | | | | \$377.15 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 513.44 | \$0.0062 | \$3.20 | |
| CEBA | 513.44 | \$0.0315 | \$16.15 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 513.44 | \$0.0617 | \$31.68 | |
| Purchased Water | 513.44 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2936 | \$0.29 | |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$53.14 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | \$5.25 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$8.54 | |
| Subtotal Taxes & Fees | | | | \$13.79 |
| Total Bill | | | | \$444.09 |

**CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS**

| Sacramento Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Sacramento | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 8 | | |
| Estimated consumption (CGL's) | 135,790.42 | | |
| Customer Class | Industrial | | |

| Sacramento Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Sacramento | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 8 | | |
| Estimated consumption (CGL's) | 135,790.42 | | |
| Customer Class | Industrial | | |

| Sacramento Current | | | |
|----------------------------------|------------------------|-----------------------------|-----------------------|
| Water Service Charge | 8 | | \$1,120.80 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 135790.42 | Units (per CGL) \$0.4361 | Charge \$59,214.06 |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 135790.42 | | \$59,214.06 |
| Subtotal Base Bill | | | |
| | | | \$60,334.86 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 135790.42 | \$0.0098 | \$1,334.77 |
| CEBA | 135790.42 | \$0.0133 | \$1,806.01 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 135790.42 | \$0.0617 | \$8,378.27 |
| Purchased Water | 135790.42 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$11,520.86 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$867.41 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1,410.42 |
| Subtotal Taxes & Fees | | | |
| | | | \$2,277.83 |
| Total Bill | | | |
| | | | \$74,133.55 |

| Sacramento Proposed | | | |
|----------------------------------|------------------------|-----------------------------|-----------------------|
| Water Service Charge | 8 | | \$1,457.02 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 135790.42 | Units (per CGL) \$0.4508 | Charge \$61,212.80 |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 135790.42 | | \$61,212.80 |
| Subtotal Base Bill | | | |
| | | | \$62,669.82 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 135790.42 | \$0.0062 | \$847.09 |
| CEBA | 135790.42 | \$0.0315 | \$4,271.33 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 135790.42 | \$0.0617 | \$8,378.27 |
| Purchased Water | 135790.42 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$13,498.79 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$926.45 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1,506.43 |
| Subtotal Taxes & Fees | | | |
| | | | \$2,432.89 |
| Total Bill | | | |
| | | | \$78,601.49 |

**CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS**

| Sacramento Current | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Sacramento | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2 | | | |
| Estimated consumption (CGL's) | 1,626.65 | | | |
| Customer Class | Public Authority | | | |

| Sacramento Proposed | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Sacramento | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2 | | | |
| Estimated consumption (CGL's) | 1,626.65 | | | |
| Customer Class | Public Authority | | | |

| Sacramento Current | | | | |
|----------------------------------|----------------------|-----------------------------|--------------------|-----------------|
| Water Service Charge | 2 | | | \$112.08 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 1626.65 | Units (per CGL) \$0.4361 | Charge \$709.33 | |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 1626.65 | | \$709.33 | |
| Subtotal Base Bill | | | | \$821.41 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1626.65 | \$0.0098 | \$15.99 | |
| CEBA | 1626.65 | \$0.0133 | \$21.63 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 1626.65 | \$0.0617 | \$100.36 | |
| Purchased Water | 1626.65 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$139.80 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$11.63 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$18.90 | |
| Subtotal Taxes & Fees | | | | \$30.53 |
| Total Bill | | | | \$991.74 |

| Sacramento Proposed | | | | |
|----------------------------------|----------------------|-----------------------------|--------------------|-------------------|
| Water Service Charge | 2 | | | \$145.70 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 1626.65 | Units (per CGL) \$0.4508 | Charge \$733.28 | |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 1626.65 | | \$733.28 | |
| Subtotal Base Bill | | | | \$878.98 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1626.65 | \$0.0062 | \$10.15 | |
| CEBA | 1626.65 | \$0.0315 | \$51.17 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 1626.65 | \$0.0617 | \$100.36 | |
| Purchased Water | 1626.65 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2936 | \$0.29 | |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$163.78 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$12.70 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$20.65 | |
| Subtotal Taxes & Fees | | | | \$33.35 |
| Total Bill | | | | \$1,076.11 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Larkfield Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Larkfield | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 65.83 | | |
| Customer Class | Residential | | |

| Larkfield Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Larkfield | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 65.83 | | |
| Customer Class | Residential | | |

| Larkfield Current | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 5/8 | | \$17.66 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 52.40 | \$0.8898 | \$46.62 |
| Tier 2 | 13.43 | \$0.9619 | \$12.92 |
| Tier 3 | 0.00 | \$1.3683 | \$0.00 |
| Tier 4 | 0.00 | \$1.7795 | \$0.00 |
| Total Usage Charge (100 Gal) | 65.83 | | \$59.54 |
| Subtotal Base Bill | | | |
| | | | \$77.20 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 65.83 | \$0.0190 | \$1.25 |
| CEBA | 65.83 | \$0.0508 | \$3.34 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 65.83 | \$0.1433 | \$9.43 |
| Purchased Water | 65.83 | \$0.0162 | \$1.07 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$16.91 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$1.14 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 2.00% | \$1.86 |
| Subtotal Taxes & Fees | | | |
| | | | \$3.00 |
| Total Bill | | | |
| | | | \$97.11 |

| Larkfield Proposed | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 5/8 | | \$22.52 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 37.40 | \$0.7788 | \$29.13 |
| Tier 2 | 28.43 | \$0.8112 | \$23.06 |
| Tier 3 | 0.00 | \$0.9329 | \$0.00 |
| Tier 4 | 0.00 | \$1.0587 | \$0.00 |
| Total Usage Charge (100 Gal) | 65.83 | | \$52.19 |
| Subtotal Base Bill | | | |
| | | | \$74.71 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 65.83 | \$0.0062 | \$0.41 |
| CEBA | 65.83 | \$0.0315 | \$2.07 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 65.83 | \$0.1433 | \$9.43 |
| Purchased Water | 65.83 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$14.02 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$1.09 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 2.00% | \$1.77 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.85 |
| Total Bill | | | |
| | | | \$91.58 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Larkfield Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Larkfield | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 237.09 | | |
| Customer Class | Commercial | | |

| Larkfield Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Larkfield | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 237.09 | | |
| Customer Class | Commercial | | |

| Larkfield Current | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 5/8 | | \$17.66 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 237.09 | \$0.9619 | \$228.06 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 237.09 | | \$228.06 |
| Subtotal Base Bill | | | |
| | | | \$245.72 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 237.09 | \$0.0190 | \$4.50 |
| CEBA | 237.09 | \$0.0508 | \$12.04 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 237.09 | \$0.1433 | \$33.97 |
| Purchased Water | 237.09 | \$0.0162 | \$3.85 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$56.18 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$3.66 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$5.95 |
| Subtotal Taxes & Fees | | | |
| | | | \$9.61 |
| Total Bill | | | |
| | | | \$311.51 |

| Larkfield Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 5/8 | | \$22.52 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 237.09 | \$0.8112 | \$192.34 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 237.09 | | \$192.34 |
| Subtotal Base Bill | | | |
| | | | \$214.85 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 237.09 | \$0.0062 | \$1.48 |
| CEBA | 237.09 | \$0.0315 | \$7.46 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 237.09 | \$0.1433 | \$33.97 |
| Purchased Water | 237.09 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$45.02 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$3.18 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$5.17 |
| Subtotal Taxes & Fees | | | |
| | | | \$8.35 |
| Total Bill | | | |
| | | | \$268.21 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Larkfield Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Larkfield | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2 | | |
| Estimated consumption (CGL's) | 692.85 | | |
| Customer Class | Public Authority | | |

| Larkfield Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Larkfield | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2 | | |
| Estimated consumption (CGL's) | 692.85 | | |
| Customer Class | Public Authority | | |

| Larkfield Current | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 2 | | \$141.28 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 692.85 | \$0.9619 | \$666.46 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 692.85 | | \$666.46 |
| Subtotal Base Bill | | | |
| | | | \$807.74 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 692.85 | \$0.0190 | \$13.15 |
| CEBA | 692.85 | \$0.0508 | \$35.20 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 692.85 | \$0.1433 | \$99.29 |
| Purchased Water | 692.85 | \$0.0162 | \$11.25 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$160.70 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$11.75 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$19.11 |
| Subtotal Taxes & Fees | | | |
| | | | \$30.86 |
| Total Bill | | | |
| | | | \$999.29 |

| Larkfield Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 2 | | \$180.12 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 692.85 | \$0.8112 | \$562.07 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 692.85 | | \$562.07 |
| Subtotal Base Bill | | | |
| | | | \$742.19 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 692.85 | \$0.0062 | \$4.32 |
| CEBA | 692.85 | \$0.0315 | \$21.79 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 692.85 | \$0.1433 | \$99.29 |
| Purchased Water | 692.85 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$127.50 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$10.64 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$17.31 |
| Subtotal Taxes & Fees | | | |
| | | | \$27.95 |
| Total Bill | | | |
| | | | \$897.65 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Meadowbrook Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Meadowbrook | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 129.40 | | |
| Customer Class | Residential | | |

| Meadowbrook Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Meadowbrook | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 129.40 | | |
| Customer Class | Residential | | |

| Meadowbrook Current | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 5/8 | | \$22.32 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 112.00 | \$0.1708 | \$19.13 |
| Tier 2 | 17.40 | \$0.2099 | \$3.65 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 129.40 | | \$22.78 |
| Subtotal Base Bill | | | |
| | | | \$45.10 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 129.40 | \$0.0098 | \$1.27 |
| CEBA | 129.40 | \$0.0133 | \$1.72 |
| LIRA | Flat | \$1.8100 | \$1.81 |
| WRAM/MCBA | 129.40 | \$0.0617 | \$7.98 |
| Purchased Water | 129.40 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Transaction Surcharge | Flat | \$0.0000 | \$0.00 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$12.79 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.70 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.70 |
| Total Bill | | | |
| | | | \$58.59 |

| Meadowbrook Proposed | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 5/8 | | \$14.93 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 34.00 | \$0.2685 | \$9.13 |
| Tier 2 | 23.00 | \$0.2826 | \$6.50 |
| Tier 3 | | \$0.3150 | \$22.81 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 129.40 | | \$38.43 |
| Subtotal Base Bill | | | |
| | | | \$53.36 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 129.40 | \$0.0062 | \$0.81 |
| CEBA | 129.40 | \$0.0315 | \$4.07 |
| LIRA | Flat | \$1.8100 | \$1.81 |
| WRAM/MCBA | 129.40 | \$0.0617 | \$7.98 |
| Purchased Water | 129.40 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Transaction Surcharge | Flat | \$0.0000 | \$0.00 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$14.97 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.83 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.83 |
| Total Bill | | | |
| | | | \$69.16 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Meadowbrook Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Meadowbrook | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 952.45 | | |
| Customer Class | Commercial | | |

| Meadowbrook Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Meadowbrook | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 | | |
| Estimated consumption (CGL's) | 952.45 | | |
| Customer Class | Commercial | | |

| Meadowbrook Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 5/8 | | \$22.32 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 952.45 | \$0.9782 | \$931.65 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 952.45 | | \$931.65 |
| Subtotal Base Bill | | | |
| | | | \$953.97 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 952.45 | \$0.0098 | \$9.36 |
| CEBA | 952.45 | \$0.0133 | \$12.67 |
| LIRA | Flat | \$1.8100 | \$1.81 |
| WRAM/MCBA | 952.45 | \$0.0617 | \$58.77 |
| Purchased Water | 952.45 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Transaction Surcharge | Flat | \$0.0000 | \$0.00 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$82.61 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$12.63 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$12.63 |
| Total Bill | | | |
| | | | \$1,049.21 |

| Meadowbrook Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 5/8 | | \$14.93 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 952.45 | \$0.2826 | \$269.18 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 952.45 | | \$269.18 |
| Subtotal Base Bill | | | |
| | | | \$284.11 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 952.45 | \$0.0062 | \$5.94 |
| CEBA | 952.45 | \$0.0315 | \$29.96 |
| LIRA | Flat | \$1.8100 | \$1.81 |
| WRAM/MCBA | 952.45 | \$0.0617 | \$58.77 |
| Purchased Water | 952.45 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Transaction Surcharge | Flat | \$0.0000 | \$0.00 |
| CIAC Surcharge | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$96.77 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$4.61 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$4.61 |
| Total Bill | | | |
| | | | \$385.49 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Dunnigan WW Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| District | Dunnigan | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| EDU Quantity | 1 | | |
| Customer Class | Residential | | |
| Sewer Service | | | |

| Dunnigan WW Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| District | Dunnigan | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| EDU Quantity | 1 | | |
| Customer Class | Residential | | |

| Dunnigan WW Current | | | |
|-----------------------------------|-------------|----------|----------------|
| Current Wastewater Service Charge | Residential | | \$34.06 |
| Subtotal Base Bill | | | \$34.06 |
| Surcharges: | Units | Rates | Surcharge |
| CEBA | 1 | \$0.00 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.42 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$0.42 |
| Total Bill | | | \$34.48 |

| Dunnigan WW Proposed | | | |
|------------------------------------|-------------|----------|----------------|
| Proposed Wastewater Service Charge | Residential | | \$36.91 |
| Subtotal Base Bill | | | \$36.91 |
| Surcharges: | Units | Rates | Surcharge |
| CEBA | 1 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Subtotal Surcharges | | | \$0.29 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.46 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$0.46 |
| Total Bill | | | \$37.66 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Dunnigan WW Current | |
|--|------------|
| # Days in Billing period: | 30 |
| District | Dunnigan |
| Low Income Ratepayer Assistance (LIRA) | No |
| EDU Quantity | 1 |
| Customer Class | Commercial |
| Sewer Service | |

| Dunnigan WW Proposed | |
|--|------------|
| # Days in Billing period: | 30 |
| District | Dunnigan |
| Low Income Ratepayer Assistance (LIRA) | No |
| EDU Quantity | 1 |
| Customer Class | Commercial |

| Dunnigan WW Current | |
|-----------------------------------|----------------|
| Current Wastewater Service Charge | Commercial |
| | \$34.06 |
| Subtotal Base Bill | \$34.06 |
| Surcharges: | Units |
| CEBA | 1 |
| LIRA | Flat |
| High Cost Fund | Flat |
| | Rates |
| | \$0.00 |
| | \$0.00 |
| | \$0.0000 |
| Subtotal Surcharges | \$0.00 |
| Taxes and Fees: | Rates |
| Commission Surcharge | 1.23% |
| License Tax | 0.00% |
| Franchise Fee | 0.00% |
| Subtotal Taxes & Fees | \$0.42 |
| Total Bill | \$34.48 |

| Dunnigan WW Proposed | |
|------------------------------------|----------------|
| Proposed Wastewater Service Charge | Commercial |
| | \$36.91 |
| Subtotal Base Bill | \$36.91 |
| Surcharges: | Units |
| CEBA | 1 |
| LIRA | Flat |
| High Cost Fund | Flat |
| | Rates |
| | \$0.0000 |
| | \$0.0000 |
| | \$0.2936 |
| Subtotal Surcharges | \$0.29 |
| Taxes and Fees: | Charge |
| Commission Surcharge | 1.23% |
| License Tax | 0.00% |
| Franchise Fee | 0.00% |
| Subtotal Taxes & Fees | \$0.46 |
| Total Bill | \$37.66 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Fruitridge Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Fruitridge | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1 | | |
| Estimated consumption (CGL's) | 99.39 | | |
| Customer Class | Residential | | |

| Fruitridge Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Fruitridge | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1 | | |
| Estimated consumption (CGL's) | 99.39 | | |
| Customer Class | Residential | | |

| Fruitridge Current | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 1 | | \$29.74 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | |
| | 99.39 | \$0.1836 | \$18.24 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 99.39 | | \$18.24 |
| Subtotal Base Bill | | | |
| | | | \$47.98 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 99.39 | \$0.0000 | \$0.00 |
| CEBA | 99.39 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 99.39 | \$0.0000 | \$0.00 |
| Purchased Water | 99.39 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | 1 | \$3.85 |
| Subtotal Surcharges | | | |
| | | | \$3.85 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.64 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.64 |
| Total Bill | | | |
| | | | \$52.47 |

| Fruitridge Proposed | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 1 | | \$35.33 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | |
| | 99.39 | \$0.2181 | \$21.68 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 99.39 | | \$21.68 |
| Subtotal Base Bill | | | |
| | | | \$57.01 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 99.39 | \$0.0000 | \$0.00 |
| CEBA | 99.39 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 99.39 | \$0.0000 | \$0.00 |
| Purchased Water | 99.39 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | 1 | \$3.85 |
| Subtotal Surcharges | | | |
| | | | \$3.85 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.75 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | X.XX | X.XX |
| Subtotal Taxes & Fees | | | |
| | | | \$0.75 |
| Total Bill | | | |
| | | | \$61.61 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Fruitridge Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Fruitridge | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | Flat | | |
| Estimated consumption (CGL's) | 99.39 | | |
| Customer Class | Residential | | |

| Fruitridge Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Fruitridge | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | Flat | | |
| Estimated consumption (CGL's) | 99.39 | | |
| Customer Class | Residential | | |

| Fruitridge Current | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | Flat | | \$42.19 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 99.39 | \$0.0000 | \$0.00 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 99.39 | | \$0.00 |
| Subtotal Base Bill | | | |
| | | | \$42.19 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 99.39 | \$0.0000 | \$0.00 |
| CEBA | 99.39 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 99.39 | \$0.0000 | \$0.00 |
| Purchased Water | 99.39 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | Flat | \$3.05 |
| Subtotal Surcharges | | | |
| | | | \$3.05 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$0.56 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.56 |
| Total Bill | | | |
| | | | \$45.80 |

| Fruitridge Proposed | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | Flat | | \$50.13 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 99.39 | \$0.0000 | \$0.00 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 99.39 | | \$0.00 |
| Subtotal Base Bill | | | |
| | | | \$50.13 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 99.39 | \$0.0000 | \$0.00 |
| CEBA | 99.39 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 99.39 | \$0.0000 | \$0.00 |
| Purchased Water | 99.39 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | Flat | \$3.05 |
| Subtotal Surcharges | | | |
| | | | \$3.05 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$0.65 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | X.XX | X.XX |
| Subtotal Taxes & Fees | | | |
| | | | \$0.65 |
| Total Bill | | | |
| | | | \$53.83 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Fruitridge Current | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Fruitridge |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1-1/2 |
| Estimated consumption (CGL's) | 218.39 |
| Customer Class | Commercial |

| Fruitridge Current | |
|----------------------------------|---|
| Water Service Charge | 1-1/2 \$59.46 |
| Water Usage Charge: | |
| Tier 1 | Rate/Unit \$0.1836 Units (per CGL) Charge \$40.09 |
| Tier 2 | \$0.0000 \$0.00 |
| Tier 3 | \$0.0000 \$0.00 |
| Tier 4 | \$0.0000 \$0.00 |
| Total Usage Charge (100 Gal) | 218.39 \$40.09 |
| Subtotal Base Bill | \$99.55 |
| Surcharges: | Units Rates Surcharge |
| Conservation | 218.39 \$0.0000 \$0.00 |
| CEBA | 218.39 \$0.0000 \$0.00 |
| LIRA | Flat \$0.00 \$0.00 |
| WRAM/MCBA | 218.39 \$0.0000 \$0.00 |
| Purchased Water | 218.39 \$0.0000 \$0.00 |
| High Cost Fund | Flat \$0.0000 \$0.00 |
| SRF | Meter 1-1/2 \$7.70 |
| Subtotal Surcharges | \$7.70 |
| Taxes and Fees: | Rates Charge |
| Commission Surcharge | 1.23% \$1.32 |
| License Tax | 0.00% \$0.00 |
| Franchise Fee | 0.00% \$0.00 |
| Subtotal Taxes & Fees | \$1.32 |
| Total Bill | \$108.57 |

| Fruitridge Proposed | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Fruitridge |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1-1/2 |
| Estimated consumption (CGL's) | 218.39 |
| Customer Class | Commercial |

| Fruitridge Proposed | |
|----------------------------------|---|
| Water Service Charge | 1-1/2 \$70.64 |
| Water Usage Charge: | |
| Tier 1 | Rate/Unit \$0.2181 Units (per CGL) Charge \$47.63 |
| Tier 2 | \$0.0000 \$0.00 |
| Tier 3 | \$0.0000 \$0.00 |
| Tier 4 | \$0.0000 \$0.00 |
| Total Usage Charge (100 Gal) | 218.39 \$47.63 |
| Subtotal Base Bill | \$118.27 |
| Surcharges: | Units Rates Surcharge |
| Conservation | 218.39 \$0.0000 \$0.00 |
| CEBA | 218.39 \$0.0000 \$0.00 |
| LIRA | Flat \$0.00 \$0.00 |
| WRAM/MCBA | 218.39 \$0.0000 \$0.00 |
| Purchased Water | 218.39 \$0.0000 \$0.00 |
| High Cost Fund | Flat \$0.0000 \$0.00 |
| SRF | Meter 1-1/2 \$7.70 |
| Subtotal Surcharges | \$7.70 |
| Taxes and Fees: | Rates Charge |
| Commission Surcharge | 1.23% \$1.55 |
| License Tax | 0.00% \$0.00 |
| Franchise Fee | X.XX X.XX |
| Subtotal Taxes & Fees | \$1.55 |
| Total Bill | \$127.52 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Fruitridge Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Fruitridge | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3 | | |
| Estimated consumption (CGL's) | 4,001.87 | | |
| Customer Class | Industrial | | |

| Fruitridge Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Fruitridge | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3 | | |
| Estimated consumption (CGL's) | 4,001.87 | | |
| Customer Class | Industrial | | |

| Fruitridge Current | | | |
|----------------------------------|----------------------|-----------------------------|--------------------|
| Water Service Charge | 3 | | \$178.37 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 4001.87 | Units (per CGL) \$0.1836 | Charge \$734.57 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 4001.87 | | \$734.57 |
| Subtotal Base Bill | | | |
| | | | \$912.94 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 4001.87 | \$0.0000 | \$0.00 |
| CEBA | 4001.87 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 4001.87 | \$0.0000 | \$0.00 |
| Purchased Water | 4001.87 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | 3 | \$23.10 |
| Subtotal Surcharges | | | |
| | | | \$23.10 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$11.51 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$11.51 |
| Total Bill | | | |
| | | | \$947.55 |

| Fruitridge Proposed | | | |
|----------------------------------|----------------------|-----------------------------|--------------------|
| Water Service Charge | 3 | | \$211.92 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 4001.87 | Units (per CGL) \$0.2181 | Charge \$872.74 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 4001.87 | | \$872.74 |
| Subtotal Base Bill | | | |
| | | | \$1,084.66 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 4001.87 | \$0.0000 | \$0.00 |
| CEBA | 4001.87 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 4001.87 | \$0.0000 | \$0.00 |
| Purchased Water | 4001.87 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | 3 | \$23.10 |
| Subtotal Surcharges | | | |
| | | | \$23.10 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$13.63 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | X.XX | X.XX |
| Subtotal Taxes & Fees | | | |
| | | | \$13.63 |
| Total Bill | | | |
| | | | \$1,121.39 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Hillview Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Hillview | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3/4 | | |
| Estimated consumption (CGL's) | 61.00 | | |
| Customer Class | Residential | | |

| Hillview Current | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 3/4 | | \$60.60 |
| Water Usage Charge: | Rate/Unit | Units (per CGL) | Charge |
| Tier 1 | 61.00 | \$0.4947 | \$30.17 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 61.00 | | \$30.17 |
| Subtotal Base Bill | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 61.00 | \$0.0000 | \$0.00 |
| CEBA | 61.00 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 61.00 | \$0.0000 | \$0.00 |
| Purchased Water | 61.00 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | 3/4 | \$7.56 |
| Subtotal Surcharges | | | \$7.56 |
| Taxes and Fees: | Rates | Charge | |
| Commission Surcharge | 1.23% | \$1.21 | |
| License Tax | 0.00% | \$0.00 | |
| Franchise Fee | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | \$1.21 |
| Total Bill | | | \$99.54 |

| Hillview Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Hillview | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3/4 | | |
| Estimated consumption (CGL's) | 61.00 | | |
| Customer Class | Residential | | |

| Hillview Proposed | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 3/4 | | \$14.57 |
| Water Usage Charge: | Rate/Unit | Units (per CGL) | Charge |
| Tier 1 | 61.00 | \$0.3381 | \$20.62 |
| Tier 2 | | \$0.4508 | \$0.00 |
| Tier 3 | | \$0.6367 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 61.00 | | \$20.62 |
| Subtotal Base Bill | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 61.00 | \$0.0062 | \$0.38 |
| CEBA | 61.00 | \$0.0315 | \$1.92 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 61.00 | \$0.0617 | \$3.76 |
| Purchased Water | 61.00 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SRF | Meter | 3/4 | \$7.56 |
| Subtotal Surcharges | | | \$15.73 |
| Taxes and Fees: | Rates | Charge | |
| Commission Surcharge | 1.23% | \$0.62 | |
| License Tax | 0.00% | \$0.00 | |
| Franchise Fee | X.XX | X.XX | |
| Subtotal Taxes & Fees | | | \$0.62 |
| Total Bill | | | \$51.54 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Hillview Current | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Hillview |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 3/4 |
| Estimated consumption (CGL's) | 111.31 |
| Customer Class | Commercial |

| Hillview Proposed | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Hillview |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 3/4 |
| Estimated consumption (CGL's) | 111.31 |
| Customer Class | Commercial |

| Hillview Current | | | |
|----------------------------------|---------------------|-----------------------------|-------------------|
| Water Service Charge | 3/4 | | \$60.60 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 111.31 | Units (per CGL) \$0.4947 | Charge \$55.06 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 111.31 | | \$55.06 |
| Subtotal Base Bill | | | |
| | | | \$115.66 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 111.31 | \$0.0000 | \$0.00 |
| CEBA | 111.31 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 111.31 | \$0.0000 | \$0.00 |
| Purchased Water | 111.31 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | 3/4 | \$7.56 |
| Subtotal Surcharges | | | |
| | | | \$7.56 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.52 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$1.52 |
| Total Bill | | | |
| | | | \$124.74 |

| Hillview Proposed | | | |
|----------------------------------|---------------------|-----------------------------|-------------------|
| Water Service Charge | 3/4 | | \$14.57 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 111.31 | Units (per CGL) \$0.3381 | Charge \$37.63 |
| Tier 2 | | \$0.4508 | \$0.00 |
| Tier 3 | | \$0.6367 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 111.31 | | \$37.63 |
| Subtotal Base Bill | | | |
| | | | \$52.20 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 111.31 | \$0.0062 | \$0.69 |
| CEBA | 111.31 | \$0.0315 | \$3.50 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 111.31 | \$0.0617 | \$6.87 |
| Purchased Water | 111.31 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SRF | Meter | 3/4 | \$7.56 |
| Subtotal Surcharges | | | |
| | | | \$20.73 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.89 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | X.XX | X.XX |
| Subtotal Taxes & Fees | | | |
| | | | \$0.89 |
| Total Bill | | | |
| | | | \$73.82 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Hillview Current | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Hillview |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 2 |
| Estimated consumption (CGL's) | 908.13 |
| Customer Class | Industrial |

| Hillview Proposed | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Hillview |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 2 |
| Estimated consumption (CGL's) | 908.13 |
| Customer Class | Industrial |

| Hillview Current | | | |
|----------------------------------|---------------------|-----------------------------|--------------------|
| Water Service Charge | 2 | | \$323.16 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 908.13 | Units (per CGL) \$0.4947 | Charge \$449.21 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 908.13 | | \$449.21 |
| Subtotal Base Bill | | | |
| | | | \$772.37 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 908.13 | \$0.0000 | \$0.00 |
| CEBA | 908.13 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 908.13 | \$0.0000 | \$0.00 |
| Purchased Water | 908.13 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SRF | Meter | 2 | \$40.32 |
| Subtotal Surcharges | | | |
| | | | \$40.32 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$10.00 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$10.00 |
| Total Bill | | | |
| | | | \$822.68 |

| Hillview Proposed | | | |
|----------------------------------|---------------------|-----------------------------|--------------------|
| Water Service Charge | 2 | | \$14.57 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 908.13 | Units (per CGL) \$0.3381 | Charge \$307.03 |
| Tier 2 | | \$0.4508 | \$0.00 |
| Tier 3 | | \$0.6367 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 908.13 | | \$307.03 |
| Subtotal Base Bill | | | |
| | | | \$321.60 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 908.13 | \$0.0062 | \$5.67 |
| CEBA | 908.13 | \$0.0315 | \$28.57 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 908.13 | \$0.0617 | \$56.03 |
| Purchased Water | 908.13 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SRF | Meter | 2 | \$40.32 |
| Subtotal Surcharges | | | |
| | | | \$132.69 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$5.52 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | X.XX | X.XX |
| Subtotal Taxes & Fees | | | |
| | | | \$5.52 |
| Total Bill | | | |
| | | | \$459.80 |

CENTRAL DIVISION

| CHAPTER | TABLE | EXHIBIT DESCRIPTION |
|-----------|----------------------|--|
| Chapter 1 | | INTRODUCTION AND SUMMARY OF APPLICATION |
| | Chapter Introduction | Discusses Historical And Present Operations And Primary Causes For Proposed Rate Increases |
| | | |
| | | |
| Chapter 2 | | HISTORICAL AND PROJECTED SUMMARY OF EARNINGS |
| | Chapter Introduction | Discusses Summary Of Earnings Details |
| | Table 2.1 | Comparative Summary of Earnings for Test Year at Present and Proposed Rates |
| | Table 2.2 | Summary of Earnings At Proposed Rates |
| | Table 2.3 | Summary of Earnings at Present Rates |
| | Table 2.4 | Summary of Revenue Requirement Calculation |
| | | |
| | | |
| Chapter 3 | | OPERATING REVENUES |
| | Chapter Introduction | Discusses Calculation Of Operating Revenues |
| | Table 3.1 | Customers at Year End - Recorded |
| | Table 3.2 | Customers at Year End - Authorized - Proposed |
| | Table 3.3 | Calculation of the Percent of Increase in Customers at Year End - Authorized - Recorded - Proposed |
| | Table 3.4 | Average Number of Customers - Recorded |
| | Table 3.5 | Average Number of Customers - Authorized - Proposed |
| | Table 3.6 | Calculation of the Percent of Increase in Average Number of Customers - Auth - Rec - Prop |
| | Table 3.7 | Ave Annual Cons Per Cust - Recorded |
| | Table 3.8 | Ave Annual Cons Per Cust - Authorized - Proposed |
| | Table 3.9 | Calculation of the Percent of Increase in Ave Annual Cons Per Cust - Auth - Rec - Prop |
| | Table 3.10 | Annual Consumption (ccf) - Recorded |
| | Table 3.11 | Annual Consumption (ccf) - Authorized - Proposed |
| | Table 3.12 | Calculation of the Percent of Increase in Annual Consumption - Auth - Rec - Propo |
| | Table 3.13 | Water Production (Kccf) - Recorded |
| | Table 3.14 | Water Production (Kccf) - Authorized - Proposed |
| | Table 3.15 | Calculation of Percent of Increase in Water Production - Auth - Rec - Prop |
| | Table 3.16 | Comparison of Revenue By Customer Class at Present and Proposed Rates |
| | Table 3.17 | Operating Revenues at Present Rate - Recorded |
| | Table 3.18 | Operating Revenues at Present Rate - Authorized - Proposed |
| | Table 3.19 | Calculation of Percent of Increase in Operating Revenue at Present Rates - Auth - Rec - Prop |
| | Table 3.20 | Operating Revenues at Proposed Rate - Recorded |
| | Table 3.21 | Operating Revenues at Proposed Rate - Authorized - Proposed |
| | Table 3.22 | Calculation of Percent of Increase in Operating Revenue at Proposed Rates - Auth - Rec - Prop |
| | Table 3.23 | Operating Revenues Per Customer - Recorded |
| | Table 3.24 | Operating Revenues Per Customer - Authorized - Proposed |
| | | |
| | | |
| Chapter 4 | | OPERATING EXPENSES |
| | Chapter Introduction | Discusses Summary Of Operating Expense Information |
| | Table 4.1 | Summary of Total Operating Expenses - Recorded-Authorized-Proposed |
| | Table 4.2 | Payroll Expense |
| | Table 4.3 | Summary of Operation Expenses - Recorded-Authorized-Proposed |
| | Table 4.4 | Summary of Maintenance Expenses - Recorded-Authorized-Proposed |
| | Table 4.5 | Summary of A&G Expenses - Recorded-Authorized-Proposed |
| | Table 4.6a | Expenses Per Customer-Recorded Years |
| | Table 4.6b | Expenses Per Customer-Projected Years |
| | Table 4.7 | Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | Table 4.8 | Payroll Expense Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | | |

[illegible]

DISCUSSION OF INFORMATION SHOWN IN THIS SECTION

This section contains information regarding the corporate and operating history of the water service operation of the Central Division, including Monterey main, Bishop, Hidden Hills, Ryan Ranch, which are included in the application as the Monterey District; Ambler, Garrapata, Ralph Lane, Toro and Chualar systems, which are included in this application as the Central (Satellite) Division of California American Water. This information will enable the CPUC and parties reviewing the GRC application to understand the development of the district, the unique nature of the service territory, the unique water supply issues the district continues to address and other issues faced by the district throughout its history that have shaped the present operation.

Central Division History

In 1882, the Pacific Improvement Company provided water service to users when it laid lines from the headwaters of the Carmel River to supply the Del Monte Hotel. The water operation was renamed Monterey County Water Works in 1905. When the Pacific Improvement Company and the Crocker family lost interest in the area, Samuel F. B. Morse headed a group of investors who bought the water works along with seven thousand acres of land and the Del Monte Hotel in 1915. In 1930, Chester Loveland acquired the water works company. The District then became the property of California Water and Telephone Company in 1935 and in 1966 was part of a major acquisition by American Water Works Company, Inc.

The business of California American Water is that of collecting, treating and distributing water for public and private use and consumption, and for fire protection within the defined service area. The Central Division of California American Water serves the six cities of Carmel-by-the-Sea, Pacific Grove, Monterey, Seaside, Sand City, Del Rey Oaks, Toro, Garrapata, the county areas of the Carmel Valley, and the Highway 68 corridor.

Water supply for the majority of customers is developed from surface water from the Carmel River, shallow wells in the Carmel Valley, mid-depth and deep wells in the Seaside basin and deep wells along the Highway 68 corridor. Production from the above sources is limited by various governmental regulations and annual rainfall amounts. Presently the Company pumps very little of its supply from diversion of the Carmel River. Most of the Carmel River withdrawal comes from shallow wells positioned near the river. Future withdrawal of water from any of the

Carmel Valley sources is restricted due to an Order of the State Water Resources Control Board (SWRCB). This Order has determined that withdrawal of water from the Carmel Valley is destructive to the habitat along the river and threatens endangered species. The order also has determined that wells in the Carmel Valley are pumping river underflow and not tapping an underground aquifer. This action invalidates the pumping rights of California American Water.

Surface water must be treated in accordance with Safe Water Drinking Act of 1986 ("the Act"). Modifications have been made to the Carmel Valley Filter Plant to comply with the Act. Modifications have been made at the Begonia Iron Removal Plant, which removes iron and manganese from wells in the lower Carmel Valley.

OVERVIEW OF THE MONTEREY WATER DISTRICT GRC APPLICATION

Operations

Presently, there are 82 employees that work in the Central Division. This number includes the Central Division General Manager, the Operations Manager, the Superintendent, 6 Supervisors and 8 Foreman. The remaining 65 employees are administrative staff or employees assigned to Production, Distribution and Wastewater system activities.

Source of Supply

California American Water's Central Division is made up of several distinct water and wastewater systems. The water systems are Monterey Main, Ryan Ranch, Hidden Hills, Bishop, Toro, Ambler Park, Ralph Lane, Chualar, and Garrapata. 1 The wastewater systems are Las Palmas, Indian Springs, Pasadera, Carmel Valley Ranch, Oak Hills, Spreckels, White Oaks, and Village Greens. The wastewater systems are currently considered separate ratemaking areas.

Current water supply for the Central Division is primarily developed from surface water from the Carmel River, shallow wells in the Carmel Valley, mid-depth and deep wells in the Seaside Basin, and deep wells along the Highway 68 corridor. Production from these sources is limited by government orders, court adjudications, and annual rainfall amounts. The two key limitations on production are: (1) the State Water Resources Control Board ("SWRCB") Order No. WR 95-10 ("SWRCB Order 95-10") and SWRCB Order No. WR 2009-0060 ("SWRCB Order 2009-0060" or "CDO") and (2) the Seaside Basin Adjudication, Monterey Superior Court Case No. M66343.

In SWRCB Order 95-10, the SWRCB found that California American Water did not have the legal right to about 10,730 acre-feet of its then current yearly diversion from the Carmel River, and that the diversions were having an adverse effect on the public trust resources of the river. In 2009, the SWRCB issued a Cease and Desist Order requiring California American Water to cease all illegal diversions from the Carmel River no later than December 31, 2016.² On July 19, 2016, the SWRCB adopted SWRCB Order 2016-0016, amending the CDO, to require that unauthorized diversions end by December 31, 2021, regardless of whether or not envisioned projects are timely built. California American Water must replace this reduction in source water with a consistent and reliable water supply to maintain existing service to its Monterey Main System customers. As a result of these water production restrictions, there is currently a moratorium on new service connections for the Monterey Main System served by Carmel River source water

In 2006, a judgment entered in Monterey Superior Court adjudicated and limited rights to produce groundwater from the Seaside Groundwater Basin and implemented a physical solution for the management and protection of the Basin. The Adjudication ordered mandatory reductions of the operating yield triennially beginning in 2009. Under the Adjudication, allowed operating yield of the wells within California American Water's Central Division Laguna Seca subarea, which overlies the Seaside Groundwater Basin, was reduced to zero in 2018. This limit applies to the California American Water systems utilizing the Laguna Seca subarea: Ryan Ranch, Hidden Hills and Bishop. California American Water intends to file a separate application requesting a Moratorium for the Laguna Seca Subarea.

California American Water is taking a "three-legged stool" approach to providing new source water to the Central Division. The three projects that are part of this approach are listed below.

1. Aquifer Storage and Recovery ("ASR") is a project that allows for the capturing of excess Carmel River water through wells along the river. This river water is then transferred through existing conveyance facilities, including the Monterey Pipeline and Pump Station³, and stored in the Seaside Basin for later extraction. This project is already operating with two ASR well sites. Ownership and operations of this source water project have various components split between California American Water and the Monterey Peninsula Water Management District ("MPWMD").

2. Pure Water Monterey (“PWM”) is a Monterey One Water and MPWMD project that will provide 3,500 acre-feet per year (“afy”) of recycled water to the Monterey Main System in order to offset the Carmel River source water by the same amount. The project’s major components include an advanced treatment plant; conveyance pipelines; a booster station; and injection wells. California American Water would extract the water from the Seaside Basin, after a six-month retention time, through the existing ASR wells and the Monterey Pipeline. The project is currently anticipated to allow for extraction of PWM water from the Seaside Basin by the end of 2019.

3. Monterey Peninsula Water Supply Project (“MPWSP”) is the third component of the three-legged stool. This California American Water project would provide the majority of the new source water through desalination. Components of this project include a 6.4 million gallon per day (“mgd”) desalination plant; subsurface intake wells; conveyance facilities with booster stations and ASR wells; and an existing outfall structure. In terms of MPWSP progress, all CDO milestones to date have been met, with the most recent one in 2018, the issuance of a Certificate of Public Convenience and Necessity to construct the MPWSP. California American Water is currently working towards the next CDO milestone, which is to start construction for any of the components of the desalination plant by September 30, 2019.

The Commission addressed the Monterey Pipeline and Pump Station, PWM, and MPWSP in A.12-04-019, which resulted in D.16-09-021 and D.18-09-017. California American Water also recently filed Advice Letters 1231 and 1238 related to these projects.

Information in this chapter contains tables that summarize earnings information and calculations at present and proposed rates presented as follows:

Table 2.1 – Comparative Summary of Earnings

This table contains a detailed summary of earnings for the 2021 Test Year at present and proposed rates as filed by California American Water. The table also contains columns for the inclusion and comparison of a detailed summary of earnings for the 2021 Test Year at present and proposed rates that will be filed by the California Public Advocates (Cal PA) during the processing of the application. For further comparison, the table contains a column for details of the summary of earnings for the 2021 Test Year adopted by the CPUC in its final decision regarding this application.

Table 2.2 – Summary of Earnings at Proposed Rates

This table contains a detailed summary of earnings for 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year at Proposed rates as filed by California American Water in this application.

Table 2.3 – Summary of Earnings at Present Rates

This table contains a detailed summary of earnings for the recorded years 2014-2018, Estimated Years 2019 and 2020, Test Year 2021, Escalation Year 2022, and Attrition Year 2023 at present rates. A comparison to these amounts to the adopted amounts from the most recent rate case filed by California American Water at proposed rates is also included.

Table 2.4 – Summary of Revenue Requirement Calculation

This table contains calculations of revenue requirements for the 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year based on financial information presented by California American Water in this application.

CALIFORNIA AMERICAN WATER

Central Division - 2019 GRC

Filing:

Final

COMPARATIVE SUMMARY OF EARNINGS
FOR TEST YEAR AT PRESENT AND PROPOSED RATES

| (\$ 1,000's) | At Present Rates | | At Proposed Rates | | Adopted Rates |
|--------------------------------|------------------|--------|-------------------|--------|---------------|
| Description | CAW | CAL PA | CAW | CAL PA | CPUC |
| Operating Revenues | 68,629.8 | 0.0 | 71,617.4 | 0.0 | 0.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 9,423.8 | 0.0 | 9,423.8 | 0.0 | 0.0 |
| Purchased Water | 1,160.1 | 0.0 | 1,160.1 | 0.0 | 0.0 |
| Purchased Power | 2,524.8 | 0.0 | 2,524.8 | 0.0 | 0.0 |
| Chemicals | 381.0 | 0.0 | 381.0 | 0.0 | 0.0 |
| Operation and Maintenance | 4,635.9 | 0.0 | 4,635.9 | 0.0 | 0.0 |
| Customer Accounting | 423.4 | 0.0 | 423.4 | 0.0 | 0.0 |
| Uncollectibles | 306.0 | 0.0 | 321.6 | 0.0 | 0.0 |
| Insurance | 891.9 | 0.0 | 891.9 | 0.0 | 0.0 |
| Pensions and Benefits | 2,211.4 | 0.0 | 2,211.4 | 0.0 | 0.0 |
| Regulatory Expense | 125.5 | 0.0 | 125.5 | 0.0 | 0.0 |
| Rents | 835.8 | 0.0 | 835.8 | 0.0 | 0.0 |
| Other Administrative & General | 3,576.0 | 0.0 | 3,576.0 | 0.0 | 0.0 |
| Subtotal | 26,495.5 | 0.0 | 26,511.1 | 0.0 | 0.0 |
| Service Company | 2,796.9 | 0.0 | 2,796.9 | 0.0 | 0.0 |
| Citizens Acquisition Premium | 896.0 | 0.0 | 896.0 | 0.0 | 0.0 |
| GO Return on Rate Base | 752.3 | 0.0 | 752.3 | 0.0 | 0.0 |
| Return on and of UPAA | 863.2 | 0.0 | 863.2 | 0.0 | 0.0 |
| San Clemente Dam | 6,245.4 | 0.0 | 6,245.4 | 0.0 | 0.0 |
| Total O&M Expenses | 38,049.5 | 0.0 | 38,065.0 | 0.0 | 0.0 |
| Depreciation | 9,782.5 | 0.0 | 9,782.5 | 0.0 | 0.0 |
| General Taxes | 2,946.8 | 0.0 | 2,946.8 | 0.0 | 0.0 |
| Total Operating Expenses | 50,778.7 | 0.0 | 50,794.3 | 0.0 | 0.0 |
| Income Before Income Taxes | 17,851.1 | 0.0 | 20,823.1 | 0.0 | 0.0 |
| State Income Taxes | 1,073.0 | 0.0 | 1,335.8 | 0.0 | 0.0 |
| Federal Income Taxes | 1,453.6 | 0.0 | 2,077.7 | 0.0 | 0.0 |
| Total Income Taxes | 2,526.6 | 0.0 | 3,413.5 | 0.0 | 0.0 |
| Utility Operating Income | 15,324.5 | 0.0 | 17,409.6 | 0.0 | 0.0 |
| Rate Base | 228,772.8 | 0.0 | 228,772.8 | 0.0 | 0.0 |
| Return on Rate Base | 6.70% | 0.00% | 7.61% | 0.00% | 0.00% |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
SUMMARY OF EARNINGS AT PROPOSED RATES

Filing:

Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|---|------------------------|--------------------|-------------------|------------|
| | 2021 | 2022 | 2023 | |
| Operating Revenues | 71,617.4 | 74,526.3 | 77,009.0 | Tbl 2.4 |
| Operation & Maintenance Exp | | | | |
| Labor | 9,423.8 | 9,673.1 | 9,897.5 | Tbl 2.3 |
| Purchased Water | 1,160.1 | 1,180.5 | 1,180.5 | Tbl 2.3 |
| Purchased Power | 2,524.8 | 2,580.3 | 2,580.3 | Tbl 2.3 |
| Chemicals | 381.0 | 389.4 | 398.4 | Tbl 2.3 |
| Operation Expense | 1,866.4 | 1,694.9 | 1,724.0 | Tbl 2.3 |
| Maintenance (excluding Amort Tank Painting) | 2,051.2 | 2,091.3 | 2,134.2 | Tbl 2.3 |
| Amortization of Tank Painting | 718.4 | 658.2 | 673.5 | Tbl 2.3 |
| Customer Accounting | 423.4 | 432.9 | 439.9 | Tbl 2.3 |
| Uncollectible Expense | 321.6 | 334.5 | 332.2 | Tbl 2.3 |
| Insurance | 891.9 | 904.8 | 918.7 | Tbl 2.3 |
| Pensions and Benefits | 2,211.4 | 2,308.4 | 2,362.0 | Tbl 2.3 |
| Regulatory Expenses | 125.5 | 501.9 | 501.9 | Tbl 2.3 |
| Rents | 835.8 | 803.3 | 817.8 | Tbl 2.3 |
| Other Administrative & General | 3,576.0 | 3,650.3 | 3,711.2 | Tbl 2.3 |
| Service Company Costs | 2,796.9 | 2,860.1 | 2,929.0 | Tbl 2.3 |
| Citizens Acquisition Premium | 896.0 | 900.4 | 905.1 | Tbl 2.3 |
| General Office Return on Rate Base | 752.3 | 776.2 | 800.1 | Tbl 2.3 |
| Return on and of UPAA | 863.2 | 845.2 | 827.2 | Tbl 2.3 |
| Sam Clemente Dam | 6,245.4 | 6,245.4 | 6,245.4 | |
| Total O&M expenses | 38,065.0 | 38,831.1 | 39,379.0 | Calculated |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC

Filing: **Final**

SUMMARY OF EARNINGS AT PROPOSED RATES

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|----------------------------|------------------------|--------------------|-------------------|-------------------|
| | 2021 | 2022 | 2023 | |
| (\$ 1,000's) | | | | |
| Depreciation | 9,782.5 | 10,534.0 | 11,285.6 | Tbl 2.3 |
| General Taxes | 2,946.8 | 3,094.2 | 3,233.0 | Tbl 2.3 / CH02 RO |
| Total Operating Expenses | 50,794.3 | 52,459.4 | 53,897.5 | Calculated |
| Income Before Income Taxes | 20,823.1 | 22,066.9 | 23,111.5 | Calculated |
| State Income Taxes | 1,335.8 | 1,421.6 | 1,489.9 | Tbl 6.2 |
| Federal Income Taxes | 2,077.7 | 2,407.1 | 2,554.9 | Tbl 6.2 |
| Total Income Taxes | 3,413.5 | 3,828.7 | 4,044.7 | Calculated |
| Utility Operating Income | 17,409.6 | 18,238.2 | 19,066.8 | Calculated |
| Average Rate Base | 228,772.8 | 239,660.5 | 250,548.3 | Tbl 2.3 |
| Return on Rate Base | 7.61% | 7.61% | 7.61% | Calculated |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC

Filing: Final

Filing: Final

SUMMARY OF EARNINGS AT PRESENT RATES

| Description | Note: Expenses Include Allocation of General Office Expenses | | | | | | Note: Expenses Include Allocation of General Office Expenses | | | | | | Filing: Final | |
|---|--|----------|----------|----------|----------|----------|--|----------|-----------------|----------|----------|---------------------------|---------------|-----------|
| | Recorded Years | | | | | | Estimated | | | | | | Filing: Final | |
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | Escalation Year | 2022 | 2023 | Last Authorized Test Year | 2018 | Reference |
| Operating Revenues | 43,760.0 | 39,178.0 | 51,209.3 | 51,000.4 | 52,563.0 | 68,896.8 | 68,901.4 | 68,629.8 | 71,607.6 | 74,526.3 | 60,199.9 | Ch 3, Tbl 3.17-3.18 | | |
| Operation & Maintenance Exp | | | | | | | | | | | | | | |
| Labor | 7,662.4 | 7,740.1 | 8,171.4 | 8,148.0 | 7,885.1 | 8,953.8 | 9,183.2 | 9,423.8 | 9,673.1 | 9,897.5 | 7,393.2 | Ch 4, Tbl 4.1 | | |
| Purchased Water | 926.4 | 1,192.5 | 1,177.1 | 1,272.7 | 1,260.0 | 1,124.0 | 1,140.1 | 1,160.1 | 1,180.5 | 1,180.5 | 1,211.8 | Ch 4, Tbl 4.1 | | |
| Purchased Power | 2,431.0 | 2,154.8 | 2,196.9 | 2,408.5 | 2,070.3 | 2,442.5 | 2,479.1 | 2,524.8 | 2,580.3 | 2,580.3 | 2,066.3 | Ch 4, Tbl 4.1 | | |
| Chemicals | 397.0 | 331.8 | 324.2 | 387.9 | 371.9 | 368.6 | 374.1 | 381.0 | 389.4 | 398.4 | 386.1 | Ch 4, Tbl 4.1 | | |
| Operation Expense | 1,490.2 | 1,229.8 | 1,294.6 | 1,818.8 | 2,087.6 | 1,190.7 | 1,258.6 | 1,866.4 | 1,694.9 | 1,724.0 | 1,377.7 | Ch 4, Tbl 4.1 | | |
| Maintenance (excluding Amort Tank Painting) | 1,459.8 | 1,575.2 | 2,198.5 | 1,316.2 | 2,058.4 | 1,763.5 | 1,789.9 | 2,051.2 | 2,091.3 | 2,134.2 | 2,024.6 | Ch 4, Tbl 4.1 | | |
| Amortization of Tank Painting | 486.8 | 413.6 | 500.0 | 732.4 | 611.6 | 650.5 | 756.7 | 718.4 | 658.2 | 673.5 | 477.7 | Ch 4, Tbl 4.1 | | |
| Customer Accounting | 359.6 | 367.3 | 372.3 | 385.3 | 398.2 | 409.7 | 415.6 | 423.4 | 432.9 | 439.9 | 365.1 | Ch 4, Tbl 4.1 | | |
| Uncollectible Expense | 269.2 | 4,059.6 | 243.3 | 259.4 | 246.8 | 307.2 | 307.2 | 306.0 | 319.3 | 319.3 | 2,678.8 | Ch 4, Tbl 4.1 | | |
| Insurance | 594.4 | 810.0 | 600.5 | 449.1 | 568.4 | 554.0 | 575.1 | 891.9 | 904.8 | 918.7 | 600.4 | Ch 4, Tbl 4.1 | | |
| Pensions and Benefits | 2,055.3 | 1,680.3 | 2,314.7 | 2,321.9 | 1,824.9 | 1,947.4 | 2,160.7 | 2,211.4 | 2,308.4 | 2,362.0 | 1,918.0 | Ch 4, Tbl 4.1 | | |
| Regulatory Expenses | 363.3 | 123.8 | 461.2 | 593.3 | 118.4 | 346.0 | 346.0 | 125.5 | 501.9 | 501.9 | 241.0 | Ch 4, Tbl 4.1 | | |
| Rents | 694.0 | 720.8 | 718.2 | 720.8 | 731.8 | 718.7 | 731.4 | 835.8 | 803.3 | 817.8 | 635.6 | Ch 4, Tbl 4.1 | | |
| Other Administrative & General | 3,239.0 | 2,989.2 | 3,594.8 | 3,370.2 | 3,276.7 | 3,442.7 | 3,457.7 | 3,576.0 | 3,650.3 | 3,711.2 | 3,053.6 | Ch 4, Tbl 4.1 | | |
| Service Company Costs | 3,002.2 | 3,032.5 | 3,055.7 | 2,707.0 | 2,687.2 | 2,715.0 | 2,748.9 | 2,796.9 | 2,860.1 | 2,929.0 | 2,550.9 | Ch 4, Tbl 4.1 | | |
| Citizens Acquisition Premium | 803.5 | 775.9 | 748.2 | 736.7 | 885.5 | 888.6 | 892.2 | 896.0 | 900.4 | 905.1 | 898.8 | Ch 4, Tbl 4.1 | | |
| General Office Return on Rate Base | 370.6 | 437.8 | 486.9 | 417.1 | 473.0 | 495.4 | 650.4 | 752.3 | 776.2 | 800.1 | 528.2 | Ch 4, Tbl 4.1 | | |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 863.2 | 845.2 | 827.2 | 0.0 | Ch 4, Tbl 4.1 | | |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6,245.4 | 6,245.4 | 6,245.4 | 7,921.0 | Ch 4, Tbl 4.1 | | |
| Total O&M expenses | 26,604.7 | 29,635.1 | 28,458.4 | 28,045.1 | 27,555.8 | 28,318.2 | 29,266.9 | 38,049.5 | 38,816.0 | 39,366.0 | 36,328.9 | Calculated | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC

SUMMARY OF EARNINGS AT PRESENT RATES

| (\$ 1,000's) | Description | Recorded Years | | | | | Estimated | | | Projected Test Year | Escalation Year | Attrition Year | Last Authorized Test Year | Reference |
|----------------------------|-------------|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------|-----------------|----------------|---------------------------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | | | | | | |
| | | | | | | | | | | | | | | |
| Depreciation | | 6,289.5 | 6,230.1 | 6,723.6 | 7,020.8 | 7,295.2 | 8,075.1 | 9,281.5 | 9,782.5 | 10,534.0 | 11,285.6 | 7,053.9 | SE RO | |
| General Taxes | | 2,291.2 | 2,302.3 | 2,339.8 | 2,284.5 | 2,143.5 | 2,489.8 | 2,863.5 | 2,946.8 | 3,094.2 | 3,233.0 | 2,252.9 | Ch 5, Tbl 5.1 | |
| Total Operating Expenses | | 35,185.3 | 38,167.4 | 37,521.8 | 37,350.4 | 36,994.4 | 38,883.1 | 41,411.9 | 50,778.7 | 52,444.2 | 53,884.6 | 45,635.7 | Calculated | |
| Income Before Income Taxes | | 8,574.7 | 1,010.5 | 13,687.5 | 13,650.0 | 15,568.5 | 30,013.7 | 27,489.6 | 17,851.1 | 19,163.4 | 20,641.7 | 14,564.2 | Calculated | |
| State Income Taxes | | 344.7 | (335.5) | 765.2 | 748.9 | 1,011.7 | 2,256.6 | 1,940.0 | 1,073.0 | 1,164.9 | 1,271.5 | 952.1 | Ch 6, Tbl 6.1-6.2 | |
| Federal Income Taxes | | 1,199.5 | (1,255.7) | 2,717.0 | 2,658.2 | 2,146.2 | 4,850.6 | 4,102.8 | 1,453.6 | 1,797.3 | 2,036.2 | 2,024.8 | Ch 6, Tbl 6.1-6.2 | |
| Total Income Taxes | | 1,544.2 | (1,591.2) | 3,482.1 | 3,407.1 | 3,157.9 | 7,107.2 | 6,042.8 | 2,526.6 | 2,962.3 | 3,307.8 | 2,976.9 | Calculated | |
| Utility Operating Income | | 7,030.5 | 2,601.8 | 10,205.4 | 10,242.9 | 12,410.6 | 22,906.5 | 21,446.8 | 15,324.5 | 16,201.1 | 17,334.0 | 11,587.3 | Calculated | |
| Average Rate Base | | 150,835.4 | 155,092.3 | 162,350.5 | 166,845.6 | 165,074.0 | 179,883.5 | 222,010.8 | 228,772.8 | 239,660.5 | 250,548.3 | 152,259.8 | Ch 9, Tbl 9.1 | |
| Return on Rate Base | | 4.66% | 1.68% | 6.29% | 6.14% | 7.52% | 12.73% | 9.66% | 6.70% | 6.76% | 6.92% | 7.61% | Calculated | |

Note: Expenses Include Allocation of General Office Expenses

Note: Expenses Include Allocation of General Office Expenses

Note: Expenses Include Allocation of General Office Expenses

SUMMARY OF REVENUE REQUIREMENT CALCULATION

| (\$ 1,000's) | Projected Test Year | Escalation Year | Attrition Year | |
|--------------------------------------|------------------------|--------------------|-------------------|---------------|
| Description | 2021 | 2022 | 2023 | Reference |
| Weighted Average Rate Base | 228,772.8 | 239,660.5 | 250,548.3 | Ch 9, Tbl 9.1 |
| Rate of Return Requested | 7.61% | 7.61% | 7.61% | |
| Utility Operating Income Required | 17,409.6 | 18,238.2 | 19,066.7 | Calculated |
| At Present Rates | 15,324.5 | 16,201.1 | 17,334.0 | Ch 2, Tbl 2.3 |
| Increase (Decrease) in UOI Required | 2,085.2 | 2,037.1 | 1,732.8 | Calculated |
| Net to Gross Multiplier | 1.43277 | 1.43277 | 1.43278 | CH02 RO |
| Gross Revenues | | | | |
| Incr (Decr) in Revenues Required | 2,987.6 | 2,918.7 | 2,482.7 | Calculated |
| Revenues at Present Rates | 68,629.8 | 71,607.6 | 74,526.3 | Ch 2, Tbl 2.3 |
| Revenues at Proposed Rates | 71,617.4 | 74,526.3 | 77,009.0 | Calculated |
| Percent Incr (Decr) in Revenues | 4.35% | 4.08% | 3.33% | Calculated |

Net-To-Gross Multiplier

The items of expense shown below increase in direct proportion to any increase in gross revenue. The net-to-gross multiplier applicable to the test year, escalation year and the attrition year is as follows:

| | | | |
|----------------------------------|---------|---------|---------|
| County Franchise Tax: | 0.00% | 0.00% | 0.00% |
| Uncollectible Accounts: | 0.5207% | 0.5207% | 0.5207% |
| Reserved: | 0.00% | 0.00% | 0.00% |
| Reserved: | 0.00% | 0.00% | 0.00% |
| State Corporation Franchise Tax: | 8.84% | 8.84% | 8.84% |
| Federal Income Tax: | 21.00% | 21.00% | 21.00% |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables used to forecast customers, water sales and operating revenues as filed by California American Water in this application and is presented as follows:

Table 3.1 through Table 3.6

These tables contain information regarding projections of the number of customers for the Central Division, which includes Monterey Main, Bishop, Hidden Hills, Ryan Ranch, and the Central-Satellite Systems which includes Ambler Park, Ralph Lane, Chualar, Toro, and Garrapata service areas of California American Water presented in this application. There is no forecasted growth in the Central Division due to the Moratorium.

Table 3.7 through 3.15

These tables contain water sales and water production information for the Central Division of California American Water as filed in this application. Average use per customer is based on econometric forecasting by M-Cubed.

Consumption estimates for the Test Year 2021 and Escalation Year 2022 are derived from the use per customer multiplied against the projected average number of customers per classification.

Table 3.16 through 3.22

These tables contain operating revenue information for the Central Division of California American Water presented in this application.

Revenues at present rates for the 2019-2020 result from forecasted customers and sales presented in this Chapter and rates currently or anticipated to be in effect.

Revenues at proposed rates for 2021 and 2022 are determined by taking the proposed service and volumetric rates necessary to meet California American Water's projected revenue requirement multiplied by forecasted customers and sales. The Central Satellite Systems (Ambler Park, Ralph Lane, Toro, and Garrapata, and Chualar) revenue requirements

are inflated by the CPI as of March 2019. The remaining sub-systems' rates, Monterey Main, Bishop, Hidden Hills, and Ryan Ranch, is based on the Central's total revenue requirement less the Central Satellite Systems projected revenues. The revenues result from applying the overall proposed increase as determined in the revenue requirement to all of the present rates from the preceding year.

Miscellaneous Service revenues for the 2021 Test Year include forecasted amounts related to Non Sufficient Funds (NSF) fees, Reconnection and Late Fees, Antenna Lease, and Deferred Contribution to Revenues. Conservation and PUC fees have been excluded as they represent charges that are separate and above the base revenue requirement. The presentation in this chapter does not reflect any effects from surcharges requested in this application. However, California American Water has included surcharges in its bill impact analysis where applicable.

Method 5 Amortization revenue is based on the amortization of deferred Contribution in Aid of Construction revenues from Table 9.1.

California American Water
Central Division - 2019 GRC
CUSTOMERS AT YEAR END
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|---------------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 34,176 | 34,254 | 33,978 | 33,980 | 33,988 |
| 3. | Multiresidential | MRES | 1,489 | 1,493 | 1,744 | 1,690 | 1,658 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 3,292 | 3,299 | 3,321 | 3,398 | 3,382 |
| 6. | Industrial | INDR | 4 | 4 | 3 | 5 | 5 |
| 7. | Public Authority | OPUA | 516 | 517 | 512 | 415 | 507 |
| 8. | Sales for Resale | SLFR | 1 | 1 | 0 | 2 | 2 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 18 | 18 | 30 | 28 | 29 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,002 | 1,014 | 993 | 976 | 1,008 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMIF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 40,498 | 40,600 | 40,581 | 40,494 | 40,579 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

California American Water
Central Division - 2019 GRC
CUSTOMERS AT YEAR END
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year 2018 | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 | Escalation Year 2023 |
|---|-----------------------------|-------|--------------------------------|----------------|----------------|-------------------------|----------------------|----------------------|
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 34,252 | 33,988 | 33,988 | 33,988 | 33,988 | 33,988 |
| 2. | Multiresidential | MRES | 1,495 | 1,658 | 1,658 | 1,658 | 1,658 | 1,658 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 3,295 | 3,382 | 3,382 | 3,382 | 3,382 | 3,382 |
| 5. | Industrial | INDR | 4 | 5 | 5 | 5 | 5 | 5 |
| 6. | Public Authority | OPUA | 517 | 507 | 507 | 507 | 507 | 507 |
| 7. | Sales for Resale | SLFR | 1 | 2 | 2 | 2 | 2 | 2 |
| 8. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 4 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 18 | 29 | 29 | 29 | 29 | 29 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 1,014 | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 40,600 | 40,579 | 40,579 | 40,579 | 40,579 | 40,579 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

California American Water
Central Division - 2019 GRC
CUSTOMERS AT YEAR END

Filing: Final

CALCULATION OF PERCENT CHANGE IN CUSTOMERS AT YEAR END

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|--|-----------------------------|-------|----------------|-------|----------|---------|--------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.23% | -0.81% | 0.01% | 0.02% | 0.00% | 0.00% | |
| 3. | Multiresidential | MRES | N/A | 0.27% | 16.81% | -3.10% | -1.89% | 0.00% | 0.00% | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | 0.21% | 0.67% | 2.32% | -0.47% | 0.00% | 0.00% | |
| 6. | Industrial | INDR | N/A | 0.00% | -25.00% | 66.67% | 0.00% | 0.00% | 0.00% | |
| 7. | Public Authority | OPUA | N/A | 0.19% | -0.97% | -18.95% | 22.17% | 0.00% | 0.00% | |
| 8. | Sales for Resale | SLFR | N/A | 0.00% | -100.00% | N/A | 0.00% | 0.00% | 0.00% | |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | 0.00% | 66.67% | -6.67% | 3.57% | 0.00% | 0.00% | |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | 1.20% | -2.07% | -1.71% | 3.28% | 0.00% | 0.00% | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | 0.24% | 0.11% | -0.14% | 0.00% | 0.00% | 0.00% | |
| References: Recorded year % calculated by dividing the # customers by prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr # customers by last authorized level and subtracting 1. Proposed test year % calculated by dividing the # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

California American Water
Central Division - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 34,030 | 34,215 | 34,117 | 33,980 | 33,985 |
| 3. | Multiresidential | MRES | 1,480 | 1,491 | 1,619 | 1,717 | 1,674 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 3,391 | 3,296 | 3,311 | 3,360 | 3,390 |
| 6. | Industrial | INDR | 4 | 4 | 4 | 4 | 5 |
| 7. | Public Authority | OPUA | 527 | 517 | 515 | 464 | 461 |
| 8. | Sales for Resale | SLFR | 1 | 1 | 1 | 1 | 2 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 18 | 18 | 24 | 29 | 29 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RPFS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RPFM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,001 | 1,008 | 1,004 | 985 | 992 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 40,452 | 40,550 | 40,595 | 40,540 | 40,538 |
| Reference: Line 17 is sum of lines 2 thru 16 | | | | | | | |
| Average calculated using current and prior period-end customers. | | | | | | | |

California American Water
Central Division - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|--|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 34,252 | 33,988 | 33,988 | 33,988 | 33,988 | 33,988 |
| 2. | Multiresidential | MRES | 1,495 | 1,658 | 1,658 | 1,658 | 1,658 | 1,658 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 3,295 | 3,382 | 3,382 | 3,382 | 3,382 | 3,382 |
| 5. | Industrial | INDR | 4 | 5 | 5 | 5 | 5 | 5 |
| 6. | Public Authority | OPUA | 517 | 507 | 507 | 507 | 507 | 507 |
| 7. | Sales for Resale | SLFR | 1 | 2 | 2 | 2 | 2 | 2 |
| 8. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 4 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 18 | 29 | 29 | 29 | 29 | 29 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 1,014 | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 40,600 | 40,579 | 40,579 | 40,579 | 40,579 | 40,579 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |
| Average calculated using current and prior period-end customers. | | | | | | | | |

California American Water
Central Division - 2019 GRC

Filing: Final

AVERAGE NUMBER OF CUSTOMERS

CALCULATION OF PERCENT CHANGE IN AVERAGE NUMBER OF CUSTOMERS

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|-----------------------------|-------|----------------|--------|--------|--------|---------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.54% | -0.29% | -0.40% | 0.01% | 0.01% | 0.00% | |
| 3. | Multiresidential | MRES | N/A | 0.74% | 8.58% | 6.05% | -2.50% | -0.96% | 0.00% | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | -2.80% | 0.46% | 1.48% | 0.89% | -0.24% | 0.00% | |
| 6. | Industrial | INDR | N/A | 0.00% | 0.00% | 0.00% | 25.00% | 0.00% | 0.00% | |
| 7. | Public Authority | OPUA | N/A | -1.90% | -0.39% | -9.90% | -0.65% | 9.98% | 0.00% | |
| 8. | Sales for Resale | SLFR | N/A | 0.00% | 0.00% | 0.00% | 100.00% | 0.00% | 0.00% | |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | 0.00% | 33.33% | 20.83% | 0.00% | 0.00% | 0.00% | |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | 0.70% | -0.40% | -1.89% | 0.71% | 1.61% | 0.00% | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | 0.24% | 0.11% | -0.14% | 0.00% | 0.10% | 0.00% | |
| References: | | | | | | | | | | |
| Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. | | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. | | | | | | | | | | |
| Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER

Central Division - 2019 GRC

AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|-----------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 72.6 | 63.1 | 63.6 | 62.2 | 62.5 |
| 3. | Multiresidential | MRES | 502.0 | 417.8 | 370.7 | 305.8 | 289.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMIM | 362.4 | 330.7 | 331.7 | 353.7 | 368.8 |
| 6. | Industrial | INDR | 3,624.2 | 3,736.9 | 3,485.9 | 3,186.9 | 1,588.3 |
| 7. | Public Authority | OPUA | 459.8 | 434.6 | 435.5 | 491.7 | 452.7 |
| 8. | Sales for Resale | SLFR | 2,911.0 | 0.0 | 0.0 | 0.0 | 1,755.2 |
| 9. | Other | OTHR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 254.7 | 0.0 | 146.8 | 168.0 | 229.4 |
| 12. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | TOTAL | | 116.4 | 101.4 | 101.3 | 100.5 | 100.7 |
| References: Line 17 is total consumption TBL 3.10 divided by average customers TBL 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|----------|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 65.4 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 3. | Multiresidential | MRES | 329.6 | 301.5 | 301.5 | 301.5 | 301.5 | 301.5 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMM | 328.8 | 376.1 | 376.1 | 376.1 | 376.1 | 376.1 |
| 6. | Industrial | INDR | 3,489.5 | 2,876.0 | 2,876.0 | 2,876.0 | 2,876.0 | 2,876.0 |
| 7. | Public Authority | OPUA | 541.3 | 430.3 | 430.3 | 430.3 | 430.3 | 430.3 |
| 8. | Sales for Resale | SLFR | 2,911.0 | 585.0 | 585.0 | 585.0 | 585.0 | 585.0 |
| 9. | Other | OTHR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Golf Courses | GOLF | 13,444.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 243.3 | 182.7 | 182.7 | 182.7 | 182.7 | 182.7 |
| 12. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. | TOTAL | | 102.8 | 103.3 | 103.3 | 103.3 | 103.3 | 103.3 |

References: Line 17 is total consumption TBL 3.11 divided by average customers TBL 3.45

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC

Filing: Final

AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)

CALCULATION OF PERCENT CHANGE IN ANNUAL CONSUMPTION PER CUSTOMER

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|-----------------------------|-------|----------------|---------|--------|--------|--------|---------------------------|--------------------|--|
| | | | | | | | | | | |
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | -13.1% | 0.8% | -2.2% | 0.4% | 2.7% | 0.0% | |
| 3. | Multiresidential | MRES | N/A | -16.8% | -11.3% | -17.5% | -5.5% | 4.3% | 0.0% | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | -8.8% | 0.3% | 6.6% | 4.3% | 2.0% | 0.0% | |
| 6. | Industrial | INDR | N/A | 3.1% | -6.7% | -8.6% | -50.2% | 81.1% | 0.0% | |
| 7. | Public Authority | OPUA | N/A | -5.5% | 0.2% | 12.9% | -7.9% | -4.9% | 0.0% | |
| 8. | Sales for Resale | SLFR | N/A | -100.0% | N/A | N/A | N/A | -66.7% | 0.0% | |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | -100.0% | N/A | 14.5% | 36.5% | -20.3% | 0.0% | |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | -12.9% | -0.1% | -0.8% | 0.2% | 2.5% | 0.0% | |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing theaverage # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|---------------------------------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 2,471,740 | 2,160,398 | 2,170,956 | 2,115,048 | 2,122,916 |
| 3. | Multiresidential | MRES | 742,950 | 622,895 | 600,182 | 525,050 | 483,840 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,229,032 | 1,089,852 | 1,098,400 | 1,188,367 | 1,250,220 |
| 6. | Industrial | INDR | 14,497 | 14,948 | 13,944 | 12,748 | 7,941 |
| 7. | Public Authority | OPUA | 242,295 | 224,709 | 224,266 | 228,150 | 208,676 |
| 8. | Sales for Resale | SLFR | 2,911 | 0 | 0 | 0 | 3,510 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 4,585 | 0 | 3,523 | 4,873 | 6,652 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 4,708,009.7 | 4,112,801.5 | 4,111,270.0 | 4,074,234.2 | 4,083,755.9 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year 2018 | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 | Escalation Year 2023 |
|---|---------------------------------|-------|--------------------------------|----------------|----------------|-------------------------|----------------------|----------------------|
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 2,241,726 | 2,181,260 | 2,181,260 | 2,181,260 | 2,181,260 | 2,181,260 |
| 3. | Multiresidential | MRES | 492,774 | 499,829 | 499,829 | 499,829 | 499,829 | 499,829 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,083,261 | 1,271,904 | 1,271,904 | 1,271,904 | 1,271,904 | 1,271,904 |
| 6. | Industrial | INDR | 13,958 | 14,380 | 14,380 | 14,380 | 14,380 | 14,380 |
| 7. | Public Authority | OPUA | 279,855 | 218,173 | 218,173 | 218,173 | 218,173 | 218,173 |
| 8. | Sales for Resale | SLFR | 2,911 | 1,170 | 1,170 | 1,170 | 1,170 | 1,170 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 53,779 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 4,379 | 5,299 | 5,299 | 5,299 | 5,299 | 5,299 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RPFS | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RPPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PPFS | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 4,172,643 | 4,192,015 | 4,192,015 | 4,192,015 | 4,192,015 | 4,192,015 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC

Filing: Final

TOTAL ANNUAL CONSUMPTION (CCF)

CALCULATION OF PERCENT CHANGE IN TOTAL ANNUAL CONSUMPTION

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|---------|-------|--------|--------|---------------------------|--------------------|
| | | | 2013 | 2014 | 2015 | 2016 | 2017 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -12.6% | 0.5% | -2.6% | 0.4% | 2.7% | 0.0% |
| 3. | Multiresidential | MRES | N/A | -16.2% | -3.6% | -12.5% | -7.8% | 3.3% | 0.0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -11.3% | 0.8% | 8.2% | 5.2% | 1.7% | 0.0% |
| 6. | Industrial | INDR | N/A | 3.1% | -6.7% | -8.6% | -37.7% | 81.1% | 0.0% |
| 7. | Public Authority | OPUA | N/A | -7.3% | -0.2% | 1.7% | -8.5% | 4.6% | 0.0% |
| 8. | Sales for Resale | SLFR | N/A | -100.0% | N/A | N/A | N/A | -66.7% | 0.0% |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | -100.0% | N/A | 38.3% | 36.5% | -20.3% | 0.0% |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Sub-Total | | N/A | -12.6% | 0.0% | -0.9% | 0.2% | 2.7% | 0.0% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
WATER PRODUCTION (KCCF)
RECORDED

Filing: **Final**

| Line No. | Description | RECORDED YEARS | | | | |
|--|--------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Sales | 4,490.0 | 3,935.1 | 3,940.8 | 3,890.5 | 3,892.1 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 4,490.0 | 3,935.1 | 3,940.8 | 3,890.5 | 3,892.1 |
| 4. | Non Revenue | 119.1 | 352.3 | 232.9 | 344.2 | 324.1 |
| 5. | Total Water Requirement | 4,609.1 | 4,287.4 | 4,173.7 | 4,234.7 | 4,216.2 |
| 6. | Non Revenue Water % | 2.6% | 8.2% | 5.6% | 8.1% | 7.7% |
| 7. | Equivalent Acre Feet | 10,580.9 | 9,842.4 | 9,581.6 | 9,721.6 | 9,679.1 |
| 8. | Total Water Requirement in CCF | 4,609,056 | 4,287,364 | 4,173,746 | 4,234,708 | 4,216,218 |
| References: Line 1 Metered sales per Table 3.10 | | | | | | |
| Other Consumption per [insert text if applicable] | | | | | | |
| Line 3 is sum of lines 2 and 3. | | | | | | |
| Line 4 is line 5 less line 3 | | | | | | |
| Line 5 is per MDR IIE.2 | | | | | | |
| Line 6 is line 4 divided by line 5. | | | | | | |
| Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. | | | | | | |
| Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
WATER PRODUCTION (KCCF)
AUTHORIZED AND PROPOSED

Filing: **Final**

| Line No. | Description | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|--|--------------------------------|---------------------------|-----------|-----------|--------------------|-----------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | |
| 1. | Metered Sales | 4,172.6 | 3,989.7 | 3,989.7 | 3,989.7 | 3,989.7 | 3,989.7 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 4,172.6 | 3,989.7 | 3,989.7 | 3,989.7 | 3,989.7 | 3,989.7 |
| 4. | Non Revenue | 363.6 | 274.5 | 274.5 | 274.5 | 274.5 | 274.5 |
| 5. | Total Water Requirement | 4,536.2 | 4,264.3 | 4,264.3 | 4,264.3 | 4,264.3 | 4,264.3 |
| 6. | Non Revenue Water % | 8.0% | 6.4% | 6.4% | 6.4% | 6.4% | 6.4% |
| 7. | Equivalent Acre Feet | 10,413.6 | 9,789.4 | 9,789.4 | 9,789.4 | 9,789.4 | 9,789.4 |
| 8. | Total Water Requirement in CCF | 4,536,162 | 4,264,251 | 4,264,251 | 4,264,251 | 4,264,251 | 4,264,251 |
| References: Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | | |

CALIFORNIA AMERICAN WATER

Central Division - 2019 GRC

WATER PRODUCTION (KCCF)

CALCULATION OF PERCENT CHANGE IN WATER PRODUCTION

Filing: Final

| Line No. | Description | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|--------------------------------|----------------|--------|--------|-------|-------|---------------------------|--------------------|
| | | 2013 | 2014 | 2015 | 2016 | 2017 | | |
| 1. | Metered Sales | N/A | -12.4% | 0.1% | -1.3% | 0.0% | -4.4% | 0.0% |
| 2. | Other Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Total Consumption | N/A | -12.4% | 0.1% | -1.3% | 0.0% | -4.4% | 0.0% |
| 4. | Non Revenue | N/A | 195.8% | -33.9% | 47.7% | -5.8% | -24.5% | 0.0% |
| 5. | Total Water Requirement | N/A | -7.0% | -2.7% | 1.5% | -0.4% | -6.0% | 0.0% |
| 6. | Non Revenue Water % | N/A | 218.0% | -32.1% | 45.6% | -5.4% | -19.7% | 0.0% |
| 7. | Equivalent Acre Feet | N/A | -7.0% | -2.6% | 1.5% | -0.4% | -6.0% | 0.0% |
| 8. | Total Water Requirement in CCF | N/A | -7.0% | -2.7% | 1.5% | -0.4% | -6.0% | 0.0% |
| References: Recorded year % calculated by dividing current year data by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr data point by last authorized level and subtracting 1. Proposed test year % calculated by dividing the test year data point by the prior year estimated level and subtracting 1. | | | | | | | | |

California American Water
Central Division - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|--------------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | \$76,028,594 | \$79,245,940 | \$3,217,346 | 4.23% |
| 3. | Multiresidential | MRES | 12,028,182 | 12,400,032 | 371,850 | 3.09% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 38,355,262 | 40,053,220 | 1,697,958 | 4.43% |
| 6. | Industrial | INDR | 402,462 | 415,630 | 13,168 | 3.27% |
| 7. | Public Authority | OPUA | 7,381,504 | 7,820,754 | 439,250 | 5.95% |
| 8. | Sales for Resale | SLFR | 20,728 | 28,952 | 8,224 | 39.68% |
| 9. | Other | OTHR | 0 | 0 | 0 | 0.00% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 465,790 | 568,840 | 103,050 | 22.12% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 577,394 | 577,486 | 92 | 0.02% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 1,335,914 | 1,434,424 | 98,510 | 7.37% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 136,595,830 | 142,545,278 | 5,949,448 | 4.36% |
| TEST YEAR 2021 | | | | | | |
| 20. | Non-Metered Customers | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 136,595,830 | 142,545,278 | 5,949,448 | 4.36% |
| 27. | Other Revenues | | | | | |
| 28. | Method 5 Revenues | METH | 17,502 | 17,502 | 0 | 0.00% |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 30. | Antenna Leases | ANTL | 70,350 | 70,350 | 0 | 0.00% |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 32. | Misc Service Revenues | MISC | 244,038 | 244,038 | 0 | 0.00% |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 34. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 37. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 331,890 | 331,890 | 0 | 0.00% |
| 48. | Total Operating Revenues | | \$136,927,720 | \$142,877,168 | \$5,949,448 | 4.34% |
| 49. | Revenues per Avg Customer | | \$3,374 | \$3,521 | \$147 | 4.34% |

California American Water
Central Division - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|---|--------------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | 79,245,940 | 82,512,020 | 3,266,080 | 4.12% |
| 3. | Multiresidential | MRES | 12,400,032 | 12,915,824 | 515,792 | 4.16% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 40,053,220 | 41,714,912 | 1,661,692 | 4.15% |
| 6. | Industrial | INDR | 415,630 | 432,914 | 17,284 | 4.16% |
| 7. | Public Authority | OPUA | 7,820,754 | 8,145,756 | 325,002 | 4.16% |
| 8. | Sales for Resale | SLFR | 28,952 | 30,156 | 1,204 | 4.16% |
| 9. | Other | OTHR | 0 | 0 | 0 | 0.00% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 568,840 | 592,362 | 23,522 | 4.14% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 577,486 | 577,584 | 98 | 0.02% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 1,434,424 | 1,434,424 | 0 | 0.00% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 142,545,278 | 148,355,952 | 5,810,674 | |
| ESCALATION 2022 | | | | | | |
| 20. | Non-Metered Customers | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 142,545,278 | 148,355,952 | 5,810,674 | 4.08% |
| 27. | Other Revenues | | | | | |
| 28. | Method 5 Revenues | METH | 20,546 | 20,546 | 0 | 0.00% |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 30. | Antenna Leases | ANTL | 70,350 | 70,350 | 0 | 0.00% |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 32. | Misc Service Revenues | MISC | 244,038 | 244,038 | 0 | 0.00% |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 34. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 37. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 334,934 | 334,934 | 0 | 0.00% |
| 48. | Total Operating Revenues | | \$142,880,212 | \$148,690,886 | \$5,810,674 | 4.07% |
| 49. | Revenues per Avg Customer | | \$3,521 | \$3,664 | \$143 | 4.07% |
| References: Table 3.18 for revenues @ present rates Table 3.21 for revenues @ proposed rates | | | | | | |

California American Water
Central Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$) **RECORDED**

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | \$24,536,578 | \$21,633,210 | \$27,842,486 | \$27,794,704 | \$28,601,914 |
| 3. | Multiresidential | MRES | 4,600,332 | 4,244,506 | 4,243,796 | 5,561,316 | 5,558,114 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 11,211,724 | 9,756,100 | 14,240,647 | 13,124,637 | 14,248,922 |
| 6. | Industrial | INDR | 107,645 | 108,399 | 144,739 | 115,582 | 80,959 |
| 7. | Public Authority | OPUA | 2,701,713 | 2,504,781 | 3,434,726 | 2,966,047 | 2,833,093 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 58,042 |
| 9. | Other | OTHR | 0 | 248,976 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 36,713 | 32,292 | 139,269 | 307,829 | 64,933 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 442,764 | 442,764 | 734,276 | 714,275 | 719,969 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 43,637,469 | 38,971,028 | 50,779,939 | 50,584,389 | 52,165,946 |
| 20. | Non-Metered Customers | | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 43,637,469 | 38,971,028 | 50,779,939 | 50,584,389 | 52,165,946 |

California American Water
Central Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|---------------------------|-------|--|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 0 | 0 | 0 | 2 | 2 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 85,758 | 53,781 | 102,186 | 67,019 | 43,004 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 36,768 | 153,173 | 327,211 | 349,027 | 354,011 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 122,526 | 206,954 | 429,398 | 416,049 | 397,017 |
| 48. | Total Operating Revenues | | \$43,759,995 | \$39,177,982 | \$51,209,337 | \$51,000,437 | \$52,562,964 |
| 49. | Revenues per Avg Customer | | \$1,082 | \$966 | \$1,261 | \$1,258 | \$1,297 |
| References: Line 13 is sum of lines 2 thru 12 | | | Line 41 is sum of lines 32 and 40 | | | | |
| Line 19 is sum of lines 15 thru 18 | | | Line 42 is sum of lines 20 and 41 | | | | |
| Line 32 is sum of lines 22 thru 31 | | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |

California American Water
Central Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 |
| Metered Water Customers | | | | | | | |
| 1. | Residential | SRES | 33,567,675 | 38,014,297 | 38,014,297 | 38,014,297 | 39,622,970 |
| 2. | Multiresidential | MRES | 5,244,873 | 6,289,054 | 6,289,054 | 6,014,091 | 6,200,016 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 15,027,039 | 19,177,631 | 19,177,631 | 19,177,631 | 20,026,610 |
| 5. | Industrial | INDR | 170,352 | 201,231 | 201,231 | 201,231 | 207,815 |
| 6. | Public Authority | OPUA | 4,439,320 | 3,690,752 | 3,690,752 | 3,690,752 | 3,910,377 |
| 7. | Sales for Resale | SLFR | 34,261 | 10,364 | 10,364 | 10,364 | 14,476 |
| 8. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 639,379 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 142,460 | 232,895 | 232,895 | 232,895 | 284,420 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 288,697 | 288,697 | 288,697 | 288,743 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 659,716 | 667,957 | 667,957 | 667,957 | 717,212 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 59,925,075 | 68,572,878 | 68,572,878 | 68,297,915 | 71,272,639 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 59,925,075 | 68,572,878 | 68,572,878 | 68,297,915 | 71,272,639 |

California American Water
Central Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|--------------|--------------|--------------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 2,000 | 9,543 | 14,172 | 17,502 | 20,546 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 77,751 | 70,350 | 70,350 | 70,350 | 70,350 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 153,173 | 244,038 | 244,038 | 244,038 | 244,038 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 232,924 | 323,931 | 328,560 | 331,890 | 334,934 |
| 48. | Total Operating Revenues | | \$60,157,999 | \$68,896,809 | \$68,901,438 | \$68,629,805 | \$71,607,573 |
| 49. | Revenues per Avg Customer | | \$1,482 | \$1,698 | \$1,698 | \$1,691 | \$1,765 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water
Central Division - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------|-------|----------------|------|-------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | |
| 2. | Residential | SRES | N/A | -12% | 29% | 0% | 3% | 33% | 0% |
| 3. | Multiresidential | MRES | N/A | -8% | 0% | 31% | 0% | 13% | 0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -13% | 46% | -8% | 9% | 35% | 0% |
| 6. | Industrial | INDR | N/A | 1% | 34% | -20% | -30% | 149% | 0% |
| 7. | Public Authority | OPUA | N/A | -7% | 37% | -14% | -4% | 30% | 0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | -82% | 0% |
| 9. | Other | OTHR | N/A | N/A | -100% | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | -12% | 331% | 121% | -79% | 259% | 0% |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | 0% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 0% | 66% | -3% | 1% | -7% | 0% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -11% | 30% | 0% | 3% | 31% | 0% |

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|--|------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 20. | Non-Metered Customers | | | | | | | | |
| 21. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -11% | 30% | 0% | 3% | 31% | 0% |
| 27. | Other Revenues | | | | | | | | |
| 28. | Method 5 Revenues | METH | N/A | N/A | N/A | N/A | -13% | 545222% | 49% |
| 29. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Antenna Leases | ANTL | N/A | -37% | 90% | -34% | -36% | 64% | 0% |
| 31. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32. | Misc Service Revenues | MISC | N/A | 317% | 114% | 7% | 1% | -31% | 0% |
| 33. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 69% | 107% | -3% | -5% | -18% | 1% |
| 48. | Total Operating Revenues | | N/A | -10% | 31% | 0% | 3% | 31% | 0% |
| 49. | Revenues per Avg Customer | | N/A | -11% | 31% | 0% | 3% | 31% | 0% |
| References: | | | | | | | | | |
| Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-------------------------|-----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Metered Water Customers | | | | | | | |
| 1. | Residential | SRES | 24,536,578 | 21,633,210 | 27,842,486 | 27,794,704 | 28,601,914 |
| 2. | Multiresidential | MRES | 4,600,332 | 4,244,506 | 4,243,796 | 5,561,316 | 5,558,114 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 11,211,724 | 9,756,100 | 14,240,647 | 13,124,637 | 14,248,922 |
| 5. | Industrial | INDR | 107,645 | 108,399 | 144,739 | 115,582 | 80,959 |
| 6. | Public Authority | OPUA | 2,701,713 | 2,504,781 | 3,434,726 | 2,966,047 | 2,833,093 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 58,042 |
| 8. | Other | OTHR | 0 | 248,976 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 36,713 | 32,292 | 139,269 | 307,829 | 64,933 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 442,764 | 442,764 | 734,276 | 714,275 | 719,969 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | | | | | | | |
| 19. | Total Metered Revenues | | 43,637,469 | 38,971,028 | 50,779,939 | 50,584,389 | 52,165,946 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 43,637,469 | 38,971,028 | 50,779,939 | 50,584,389 | 52,165,946 |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|---------------------------|--|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 0 | 0 | 0 | 2 | 2 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 29. | Antenna Leases | ANTL | 85,758 | 53,781 | 102,186 | 67,019 | 43,004 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 36,768 | 153,173 | 327,211 | 349,027 | 354,011 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | | | | | | | |
| 38. | Subtotal Other Revenues | | 122,526 | 206,954 | 429,398 | 416,049 | 397,017 |
| | | | | | | | |
| 48. | Total Operating Revenues | | \$43,759,995 | \$39,177,982 | \$51,209,337 | \$51,000,437 | \$52,562,964 |
| 49. | Revenues per Avg Customer | | \$1,082 | \$966 | \$1,261 | \$1,258 | \$1,297 |
| | | | | | | | |
| References: | | Line 13 is sum of lines 2 thru 12 | | | | | |
| | | Line 19 is sum of lines 15 thru 18 | | | | | |
| | | Line 32 is sum of lines 22 thru 31 | | | | | |
| | | Line 40 is sum of lines 34 and 39 | | | | | |
| | | Line 41 is sum of lines 32 and 40 | | | | | |
| | | Line 42 is sum of lines 20 and 41 | | | | | |
| | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|----------|--------------------------------|-------|---------------------------|------------|------------|--------------------|------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 1. | Metered Water Customers | | | | | | | |
| 2. | Residential | SRES | 33,567,675 | 38,014,297 | 38,014,297 | 38,014,297 | 39,622,970 | 41,256,010 |
| 3. | Multiresidential | MRES | 5,244,873 | 6,289,054 | 6,289,054 | 6,289,054 | 6,200,016 | 6,457,912 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 15,027,039 | 19,177,631 | 19,177,631 | 19,177,631 | 20,026,610 | 20,857,456 |
| 6. | Industrial | INDR | 170,352 | 201,231 | 201,231 | 201,231 | 207,815 | 216,457 |
| 7. | Public Authority | OPUA | 4,439,320 | 3,690,752 | 3,690,752 | 3,690,752 | 3,910,377 | 4,072,878 |
| 8. | Sales for Resale | SLFR | 34,261 | 10,364 | 10,364 | 10,364 | 14,476 | 15,078 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 639,379 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 142,460 | 232,895 | 232,895 | 232,895 | 284,420 | 296,181 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RPFS | 0 | 288,697 | 288,697 | 288,697 | 288,743 | 288,792 |
| 15. | Private Fire Mandated | RPPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PPFS | 659,716 | 667,957 | 667,957 | 667,957 | 717,212 | 717,212 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 59,925,075 | 68,572,878 | 68,572,878 | 68,572,878 | 71,272,639 | 74,177,976 |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|--|------------------------------|-------|---------------------------|--------------|--------------|--------------------|--------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 | |
| 20. | Non-Metered Customers | | 0 | | | | | |
| 21. | Residential Flat | SREF | 0 | | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | | 0 | 0 | 0 | 0 |
| 24. | | | 0 | | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 59,925,075 | 68,572,878 | 68,572,878 | 71,272,639 | 74,177,976 | |
| 27. | Other Revenues | | | | | | | |
| 28. | Method 5 Revenues | METH | 2,000 | | 0 | 0 | 0 | 0 |
| 29. | Contract Revenues | CREV | 0 | | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 77,751 | | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 153,173 | | 0 | 0 | 0 | 0 |
| 33. | Late Payment Penalty | LATE | 0 | | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 232,924 | | 0 | 0 | 0 | 0 |
| 48. | Total Operating Revenues | | \$60,157,999 | \$68,572,878 | \$68,572,878 | \$71,272,639 | \$74,177,976 | |
| 49. | Revenues per Avg Customer | | \$1,482 | \$1,690 | \$1,690 | \$1,756 | \$1,828 | |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | | |

CALIFORNIA AMERICAN WATER

Central Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: 0

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------|-------|----------------|------|-------|------|------|---------------------------|--------------------|
| | | | 2013 | 2014 | 2015 | 2016 | 2017 | | |
| 1. | Metered Water Customers | | | | | | | | |
| 2. | Residential | SRES | N/A | -12% | 29% | 0% | 3% | -8% | 4% |
| 3. | Multiresidential | MRES | N/A | -8% | 0% | 31% | 0% | -3% | -1% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -13% | 46% | -8% | 9% | -8% | 4% |
| 6. | Industrial | INDR | N/A | 1% | 34% | -20% | -30% | -7% | 3% |
| 7. | Public Authority | OPUA | N/A | -7% | 37% | -14% | -4% | -9% | 6% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | -31% | 40% |
| 9. | Other | OTHR | N/A | N/A | -100% | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | -12% | 331% | 121% | -79% | -21% | 22% |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 0% |
| 15. | Private Fire Mandated | RPPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 0% | 66% | -3% | 1% | -7% | 7% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -11% | 30% | 0% | 3% | -8% | 4% |

CALIFORNIA AMERICAN WATER

Central Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: 0

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2013 | 2014 | 2015 | 2016 | 2017 | | |
| 20. | Non-Metered Customers | | | | | | | | |
| 21. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -11% | 30% | 0% | 3% | -8% | 4% |
| 27. | Other Revenues | | | | | | | | |
| 28. | Method 5 Revenues | METH | N/A | N/A | N/A | N/A | -13% | #DIV/0! | N/A |
| 29. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Antenna Leases | ANTL | N/A | -37% | 90% | -34% | -36% | #DIV/0! | N/A |
| 31. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32. | Misc Service Revenues | MISC | N/A | 317% | 114% | 7% | 1% | #DIV/0! | N/A |
| 33. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 69% | 107% | -3% | -5% | #DIV/0! | N/A |
| 48. | Total Operating Revenues | | N/A | -10% | 31% | 0% | 3% | -8% | 4% |
| 49. | Revenues per Avg Customer | | N/A | -11% | 31% | 0% | 3% | -8% | 4% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|--------------|----------------|----------------|----------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | \$721 | \$632 | \$816 | \$818 | \$842 |
| 3. | Multiresidential | MRES | 3,108 | 2,847 | 2,621 | 3,239 | 3,320 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 3,306 | 2,960 | 4,301 | 3,906 | 4,203 |
| 6. | Industrial | INDR | 26,911 | 27,100 | 36,185 | 28,895 | 16,192 |
| 7. | Public Authority | OPUA | 5,127 | 4,845 | 6,669 | 6,392 | 6,146 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 29,021 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 2,040 | 1,794 | 5,803 | 10,615 | 2,239 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 442 | 439 | 731 | 725 | 726 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | \$1,079 | \$961 | \$1,251 | \$1,248 | \$1,287 |

CALIFORNIA AMERICAN WATER
Central Division - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Present Rate | Proposed Test Year | Proposed Rate |
|----------|-----------------------------|-------|---------------------------|--------------|--------------------|---------------|
| | | | 2018 | 2021 | 2021 | 2021 |
| 1. | Metered Water Customers: | | | | | |
| 2. | Residential | SRES | \$980 | \$1,118 | | \$1,166 |
| 3. | Multiresidential | MRES | 3,508 | 3,627 | | 3,739 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | | 0 |
| 5. | Commercial | COMM | 4,561 | 5,671 | | 5,922 |
| 6. | Industrial | INDR | 42,588 | 40,246 | | 41,563 |
| 7. | Public Authority | OPUA | 8,587 | 7,280 | | 7,713 |
| 8. | Sales for Resale | SLFR | 34,261 | 5,182 | | 7,238 |
| 9. | Other | OTHR | 0 | 0 | | 0 |
| 10. | Golf Courses | GOLF | 159,845 | 0 | | 0 |
| 11. | Construction | CSTR | 7,914 | 8,031 | | 9,808 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | | 0 |
| 16. | Public Fire | PPFS | 651 | 663 | | 712 |
| 17. | Hotel | HOTL | 0 | 0 | | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | | 0 |
| 21. | Reserved | | | | | |
| 22. | Reserved | | | | | |
| 23. | TOTAL | | \$1,476 | \$1,683 | | \$1,756 |

**CALIFORNIA AMERICAN WATER
CENTRAL DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020, and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are submitted as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2019 reflect salary information as of April 2019.

Non-union Employee Salaries

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Union Employee Salaries Inflation

| Central Division | 2019 | 2020 | 2021 | 2022 |
|-------------------------|-------------|-------------|-------------|-------------|
| Monterey | N/A | 2.50% | 2.50% | 2.50% |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every effort was made to identify and remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

**CALIFORNIA AMERICAN WATER
CENTRAL DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the Central Division include the following factors and assumptions:

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Operations and Maintenance Expenses

Source of Supply: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Water: Purchased water costs shown for the Monterey Water District consist of Seaside Basin Watermaster assessment fees, Marina Coast Water District Wheeling fee, and Sand City Desalination Plant lease and O&M costs.
- Advanced Metering Infrastructure: miscellaneous expenses adjusted for AMI related O&M costs.
- San Clemente Dam Post Construction Costs: maintenance of other plant adjusted for post construction costs

Pumping: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Power: Purchased power was calculated based on fiscal 2018 kilowatt usage patterns and kilowatt per water production units at average kilowatt costs calculated from most recent 12 months billing data. This fiscal data was escalated and applied to the estimated water production quantities to derive purchased power estimates for 2019 through 2022. The fiscal year data was obtained from billing data of the power providers for the Central Division.

Water Treatment: Expenses are forecasted based on the standard methodology outlined above.

Transmission & Distribution: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Costs for maintenance of Reservoirs and Tanks for 2019 through 2022 were forecasted based on scheduled tank painting needs and the associated amortization schedule.
- Costs for Comprehensive Planning Studies and Geographic Information Systems were forecasted based on identified needs
- State Water Resources Control Board drinking water fees were forecasted based on 2018 actual with escalation applied

Customer Accounts: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Adjustment for overflow customer calls to the Customer Service Center.
- Uncollectibles expense forecasted based on 5-year average of the annual uncollectible rate applied to forecasted revenues.

**CALIFORNIA AMERICAN WATER
CENTRAL DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES
Administrative & General Expenses**

**RO REPORT
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Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

- Adjustment for sampling monitoring systems (SAMS) modules.
- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as wells fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

General Office

General Office and Service Company costs are allocated to each district based upon customer count.

Acquisition Premium

Decision 01-09-057 approved the purchase of the water and wastewater assets of Citizens Utilities by American Water and authorized the recovery of the acquisition premium attributable to California American Water. A portion of the amortization of that premium has been allocated to the Central Division.

San Clemente Dam

Pursuant to D.18-12-021 the Commission approved the recovery of construction costs recorded in the San Clemente Dam Balancing Account.

Utility Plant Acquisition Adjustment

The revenue requirement related to the Utility Plant Acquisition Adjustment for the Fruitridge, Rio Plaza, Hillview and Bellflower acquisitions is allocated to each district based upon customer count.

Table Overview

**CALIFORNIA AMERICAN WATER
CENTRAL DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocated General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

Table 4.6a and Table 4.6b show recorded, forecasted, and last authorized Test Year O&M Expenses per customer.

Table 4.5b, Table 4.7, and Table 4.8 show Percent Change of recorded, forecasted, and last authorized Test Year O&M Expenses, A&G expenses, and Payroll expenses.

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Summary Description | Recorded Years | | | |
|----------|---|----------------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 7,662.4 | 7,740.1 | 8,171.4 | 8,148.0 |
| 2. | Purchased Water | 926.4 | 1,192.5 | 1,177.1 | 1,272.7 |
| 3. | Purchased Power | 2,431.0 | 2,154.8 | 2,196.9 | 2,408.5 |
| 4. | Chemicals | 397.0 | 331.8 | 324.2 | 387.9 |
| 5. | Operation Expense | 1,490.2 | 1,229.8 | 1,294.6 | 1,818.8 |
| 6. | Maintenance (excluding Amort Tank Painting) | 1,459.8 | 1,575.2 | 2,198.5 | 1,316.2 |
| 7. | Amortization of Tank Painting | 486.8 | 413.6 | 500.0 | 732.4 |
| 8. | Customer Accounting | 359.6 | 367.3 | 372.3 | 385.3 |
| 9. | Uncollectible Expense | 269.2 | 4,059.6 | 243.3 | 259.4 |
| 10. | Insurance | 594.4 | 810.0 | 600.5 | 449.1 |
| 11. | Pensions and Benefits | 2,055.3 | 1,680.3 | 2,314.7 | 2,321.9 |
| 12. | Regulatory Expenses | 363.3 | 123.8 | 461.2 | 593.3 |
| 13. | Rents | 694.0 | 720.8 | 718.2 | 720.8 |
| 14. | Other Administrative & General | 3,239.0 | 2,989.2 | 3,594.8 | 3,370.2 |
| 15. | Service Company Costs | 3,002.2 | 3,032.5 | 3,055.7 | 2,707.0 |
| 16. | Citizens Acquisition Premium | 803.5 | 775.9 | 748.2 | 736.7 |
| 17. | General Office Return on Rate Base | 370.6 | 437.8 | 486.9 | 417.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | Total Operating Expenses | 26,604.7 | 29,635.1 | 28,458.4 | 28,045.1 |
| 23. | Operating Expense per customer ⁽²⁾ | 656.9 | 729.9 | 701.3 | 692.6 |

CALIFORNIA-AMERICAN WATER COMPANY
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Filing: Final

SUMMARY OF TOTAL OPERATING EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Summary Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|-----------------|---------------------------|-------------------|
| | | 2019 | 2020 | | | | |
| 1. | Labor | 8,953.8 | 9,183.2 | 9,423.8 | 9,673.1 | 7,393.2 | Exh A Ch4 Tbl 4.2 |
| 2. | Purchased Water | 1,124.0 | 1,140.1 | 1,160.1 | 1,180.5 | 1,211.8 | Exh A Ch4 Tbl 4.3 |
| 3. | Purchased Power | 2,442.5 | 2,479.1 | 2,524.8 | 2,580.3 | 2,066.3 | Exh A Ch4 Tbl 4.3 |
| 4. | Chemicals | 368.6 | 374.1 | 381.0 | 389.4 | 386.1 | Exh A Ch4 Tbl 4.3 |
| 5. | Operation Expense | 1,190.7 | 1,258.6 | 1,866.4 | 1,694.9 | 1,377.7 | Exh A Ch4 Tbl 4.3 |
| 6. | Maintenance (excluding Amort Tank Painting) | 1,763.5 | 1,789.9 | 2,051.2 | 2,091.3 | 1,956.3 | Exh A Ch4 Tbl 4.4 |
| 7. | Amortization of Tank Painting | 650.5 | 756.7 | 718.4 | 658.2 | 546.0 | O&M RO |
| 8. | Customer Accounting | 409.7 | 415.6 | 423.4 | 432.9 | 365.1 | Exh A Ch4 Tbl 4.3 |
| 9. | Uncollectible Expense | 307.2 | 307.2 | 306.0 | 319.3 | 2,655.7 | Exh A Ch4 Tbl 4.3 |
| 10. | Insurance | 554.0 | 575.1 | 891.9 | 904.8 | 600.4 | Exh A Ch4 Tbl 4.5 |
| 11. | Pensions and Benefits | 1,947.4 | 2,160.7 | 2,211.4 | 2,308.4 | 1,918.0 | Exh A Ch4 Tbl 4.5 |
| 12. | Regulatory Expenses | 346.0 | 346.0 | 125.5 | 501.9 | 241.0 | Exh A Ch4 Tbl 4.5 |
| 13. | Rents | 718.7 | 731.4 | 835.8 | 803.3 | 635.6 | Exh A Ch4 Tbl 4.5 |
| 14. | Other Administrative & General | 3,442.7 | 3,457.7 | 3,576.0 | 3,650.3 | 3,053.6 | Exh A Ch4 Tbl 4.5 |
| 15. | Service Company Costs | 2,715.0 | 2,748.9 | 2,796.9 | 2,860.1 | 2,550.9 | Service Co RO |
| 16. | Citizens Acquisition Premium | 888.6 | 892.2 | 896.0 | 900.4 | 898.8 | WP Citizens Acq |
| 17. | General Office Return on Rate Base | 495.4 | 650.4 | 752.3 | 776.2 | 528.2 | CH09 RO |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 863.2 | 845.2 | 0.0 | CH02 RO |
| 19. | San Clemente Dam | 0.0 | 0.0 | 6,245.4 | 6,245.4 | 7,921.0 | CH02 RO |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Total Operating Expenses | 28,318.2 | 29,266.9 | 38,049.5 | 38,816.0 | 36,305.7 | |
| 23. | Operating Expense per customer ⁽²⁾ | 697.9 | 721.2 | 937.7 | 956.6 | 894.2 | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Payroll and Employees Include Allocation of General Office

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| | <u>Payroll Expense</u> | | | | | |
| 1. | Salaries | 7,849.2 | 8,101.5 | 8,511.6 | 8,628.4 | 8,674.4 |
| 2. | Overtime | 1,078.4 | 1,136.2 | 1,268.9 | 1,400.3 | 1,331.5 |
| 3. | Total Salaries | 8,927.6 | 9,237.7 | 9,780.5 | 10,028.7 | 10,006.0 |
| 4. | Capitalized Payroll | (1,265.3) | (1,497.6) | (1,609.1) | (1,880.7) | (2,120.8) |
| 5. | Total Net Payroll | 7,662.4 | 7,740.1 | 8,171.4 | 8,148.0 | 7,885.1 |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 220.4 | 227.5 | 241.0 | 247.7 | 246.6 |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 2.1 | 2.1 | 2.2 | 2.2 | 2.3 |
| 12. | | | | | | |
| 13. | Number of employees | 85.2 | 86.7 | 87.5 | 89.5 | 92.1 |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Year Customers (1,000's) | 40.5 | 40.6 | 40.6 | 40.5 | 40.6 |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

Filing: Final

PAYROLL EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------|-----------------|---------------------------|--------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | | |
| 1. | <u>Payroll Expense</u> | | | | | | | |
| 2. | Salaries | 9,516.3 | 9,763.5 | 10,023.8 | 10,293.6 | 10,293.6 | 7,671.5 | RO Labor |
| 3. | Overtime | 1,329.9 | 1,362.3 | 1,395.5 | 1,429.6 | 1,429.6 | 910.9 | RO Labor |
| 4. | Total Salaries | 10,846.2 | 11,125.8 | 11,419.3 | 11,723.2 | 11,723.2 | 8,582.4 | Ln1 + Ln2 |
| 5. | Capitalized Payroll | (1,892.3) | (1,942.6) | (1,995.5) | (2,050.2) | (2,050.2) | (1,189.1) | RO Labor |
| 6. | Total Net Payroll | 8,953.8 | 9,183.2 | 9,423.8 | 9,673.1 | 9,673.1 | 7,393.2 | Ln3 + Ln4 |
| 7. | Payroll per thousand customers (in \$000's) | 267.3 | 274.2 | 281.4 | 288.9 | 288.9 | 211.4 | Ln3 / Ln18 |
| 8. | | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | | |
| 10. | | | | | | | | |
| 11. | # of employees per thousand customers | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | Ln13 / Ln18 |
| 12. | | | | | | | | |
| 13. | Number of employees | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 92.0 | WPO O&M-RO |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | | |
| 17. | | | | | | | | |
| 18. | End of Year Customers (1,000's) | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | ExhA Tbl 3.1 / 3.2 |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | Operation Expenses (exclude payroll) | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 67.2 | 56.5 | 67.1 | 67.5 |
| 3. | SS Purchased Water | 704 | 926.4 | 1,192.5 | 1,177.1 | 1,272.7 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 155.6 | 305.1 | 71.1 | 410.3 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,431.0 | 2,154.8 | 2,196.9 | 2,408.5 |
| 8. | WT Operation Labor and Expenses | 742 | 52.6 | 50.2 | 89.9 | 44.6 |
| 9. | WT Miscellaneous Expenses | 743 | 652.8 | 315.5 | 411.0 | 576.1 |
| 10. | WT Chemicals and Filtering Materials | 744 | 397.0 | 331.8 | 324.2 | 387.9 |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 562.0 | 502.6 | 655.5 | 720.2 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 56.2 | 59.7 | 71.3 | 89.8 |
| 18. | CA Miscellaneous Customer Account | 774 | 303.5 | 307.7 | 301.0 | 295.5 |
| 19. | CA Uncollectible Accounts | 775 | 269.2 | 4,059.6 | 243.3 | 259.4 |
| 20. | Divisional Allocation | | | | | |
| 21. | Total Operation Expenses | | 5,873.4 | 9,335.9 | 5,608.4 | 6,532.5 |
| 22. | O&M Expense per customer ² | | 145.0 | 229.95 | 138.20 | 161.32 |
| | | | | | | 158.57 |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | <u>Operation Expenses (exclude payroll)</u> | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 65.4 | 66.4 | 67.6 | 140.0 | 130.4 | O&M RO |
| 3. | SS Purchased Water | 704 | 1,124.0 | 1,140.1 | 1,160.1 | 1,180.5 | 1,211.8 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 326.7 | 331.6 | 337.7 | 345.1 | 132.9 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,442.5 | 2,479.1 | 2,524.8 | 2,580.3 | 2,066.3 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 57.7 | 58.6 | 59.6 | 60.9 | 62.9 | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 513.1 | 520.8 | 530.4 | 542.1 | 487.8 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | 368.6 | 374.1 | 381.0 | 389.4 | 386.1 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | O&M RO |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 227.8 | 281.2 | 871.0 | 606.7 | 563.4 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 123.7 | 125.4 | 127.8 | 130.8 | 61.0 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 285.9 | 290.2 | 295.5 | 302.0 | 304.1 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 307.2 | 307.2 | 306.0 | 319.3 | 2,655.7 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | |
| 21. | Total Operation Expenses | | 5,842.7 | 5,974.8 | 6,661.6 | 6,597.2 | 8,062.6 | |
| 22. | O&M Expense per customer ² | | 143.98 | 147.24 | 164.16 | 162.58 | 198.6 | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | Maintenance Expenses | | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 462.1 | 443.6 | 637.8 | 198.7 |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | PP Maintenance of Other Pumping | 733 | 63.8 | 129.4 | 147.1 | 139.9 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 30.0 | 108.8 | 186.5 | 133.5 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Maintenance of Transmission and Distr | 761 | 17.8 | 72.3 | 52.9 | 32.7 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 17.2 | 71.0 | 56.3 | 64.0 |
| 18. | TD Maintenance of Meters | 764 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 1,355.7 | 1,163.9 | 1,617.9 | 1,479.7 |
| 21. | Total Maintenance Expenses | | 1,946.6 | 1,988.9 | 2,698.5 | 2,048.6 |
| 22. | O&M Expense per customer ² | | 48.1 | 49.0 | 66.5 | 50.6 |
| | | | | | | 65.8 |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

Filing: Final

SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 399.2 | 405.2 | 640.9 | 650.0 | 706.2 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 110.9 | 112.6 | 114.7 | 117.2 | 340.5 | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 106.7 | 108.3 | 110.3 | 112.8 | 98.4 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 46.7 | 47.4 | 48.2 | 49.3 | 43.3 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 48.4 | 49.2 | 50.1 | 51.2 | 18.6 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 1,701.9 | 1,823.9 | 1,805.3 | 1,769.0 | 1,295.4 | O&M RO |
| 21. | Total Maintenance Expenses | | 2,413.9 | 2,546.6 | 2,769.6 | 2,749.5 | 2,502.3 | |
| 22. | O&M Expense per customer ² | | 59.5 | 62.8 | 68.3 | 67.8 | 61.6 | |

Filing:

Final

Filing:

Filing:

Filing:

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

Filing: Final

SUMMARY OF A&G EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 74.1 | 75.2 | 76.6 | 78.3 | 71.2 | O&M RO |
| 3. | AG Property Insurance | 793 | 144.6 | 159.5 | 468.7 | 472.3 | 90.9 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 409.5 | 415.6 | 423.2 | 432.6 | 509.5 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 1,947.4 | 2,160.7 | 2,211.4 | 2,308.4 | 1,918.0 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 346.0 | 346.0 | 125.5 | 501.9 | 241.0 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 983.5 | 997.2 | 1,042.8 | 1,056.5 | 720.8 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 2,269.7 | 2,268.2 | 2,337.4 | 2,393.7 | 2,189.8 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 115.4 | 117.1 | 119.3 | 121.9 | 71.9 | O&M RO |
| 10. | AG Rents | 811 | 718.7 | 731.4 | 835.8 | 803.3 | 635.6 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 7,008.7 | 7,270.8 | 7,640.6 | 8,168.8 | 6,448.7 | |
| 22. | O&M Expense per customer ² | | 172.7 | 179.2 | 188.3 | 201.3 | 158.8 | |

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|---------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | 7,662.4 | 7,740.1 | 8,171.4 | 8,148.0 | 7,885.1 |
| 2. | Purchased Water | 926.4 | 1,192.5 | 1,177.1 | 1,272.7 | 1,260.0 |
| 3. | Purchased Power | 2,431.0 | 2,154.8 | 2,196.9 | 2,408.5 | 2,070.3 |
| 4. | Chemicals | 397.0 | 331.8 | 324.2 | 387.9 | 371.9 |
| 5. | Operation Expense | 1,490.2 | 1,229.8 | 1,294.6 | 1,818.8 | 2,087.6 |
| 6. | Maintenance (excluding Amort Tank Painting) | 1,459.8 | 1,575.2 | 2,198.5 | 1,316.2 | 2,058.4 |
| 7. | Amortization of Tank Painting | 486.8 | 413.6 | 500.0 | 732.4 | 611.6 |
| 8. | Customer Accounting | 359.6 | 367.3 | 372.3 | 385.3 | 398.2 |
| 9. | Uncollectible Expense | 269.2 | 4,059.6 | 243.3 | 259.4 | 246.8 |
| 10. | Insurance | 594.4 | 810.0 | 600.5 | 449.1 | 568.4 |
| 11. | Pensions and Benefits | 2,055.3 | 1,680.3 | 2,314.7 | 2,321.9 | 1,824.9 |
| 12. | Regulatory Expenses | 363.3 | 123.8 | 461.2 | 593.3 | 118.4 |
| 13. | Rents | 694.0 | 720.8 | 718.2 | 720.8 | 731.8 |
| 14. | Other Administrative & General | 3,239.0 | 2,989.2 | 3,594.8 | 3,370.2 | 3,276.7 |
| 15. | Service Company Costs | 3,002.2 | 3,032.5 | 3,055.7 | 2,707.0 | 2,687.2 |
| 16. | Citizens Acquisition Premium | 803.5 | 775.9 | 748.2 | 736.7 | 885.5 |
| 17. | General Office Return on Rate Base | 370.6 | 437.8 | 486.9 | 417.1 | 473.0 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | | | | | | |
| 23. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | Expenses Per Customer | | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|-------|--|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Labor | 189.2 | 190.6 | 201.4 | 201.2 | 194.3 | 182.1 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 22.9 | 29.4 | 29.0 | 31.4 | 31.0 | 29.8 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 60.0 | 53.1 | 54.1 | 59.5 | 51.0 | 50.9 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 9.8 | 8.2 | 8.0 | 9.6 | 9.2 | 9.5 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 36.8 | 30.3 | 31.9 | 44.9 | 51.4 | 33.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 36.0 | 38.8 | 54.2 | 32.5 | 50.7 | 48.2 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 12.0 | 10.2 | 12.3 | 18.1 | 15.1 | 13.4 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 8.9 | 9.0 | 9.2 | 9.5 | 9.8 | 9.0 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.6 | 100.0 | 6.0 | 6.4 | 6.1 | 65.4 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 14.7 | 20.0 | 14.8 | 11.1 | 14.0 | 14.8 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 50.7 | 41.4 | 57.0 | 57.3 | 45.0 | 47.2 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.0 | 3.0 | 11.4 | 14.7 | 2.9 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 17.1 | 17.8 | 17.7 | 17.8 | 18.0 | 15.7 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 80.0 | 73.6 | 88.6 | 83.2 | 80.7 | 75.2 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 74.1 | 74.7 | 75.3 | 66.9 | 66.2 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 19.8 | 19.1 | 18.4 | 18.2 | 21.8 | 22.1 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 9.2 | 10.8 | 12.0 | 10.3 | 11.7 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 195.1 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |
| 23. | | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated and Projected Years | | | |
|----------|---|-------------------------------|---------|---------|---------|
| | | 2019 | 2020 | 2021 | 2022 |
| 1. | Labor | 8,953.8 | 9,183.2 | 9,423.8 | 9,673.1 |
| 2. | Purchased Water | 1,124.0 | 1,140.1 | 1,160.1 | 1,180.5 |
| 3. | Purchased Power | 2,442.5 | 2,479.1 | 2,524.8 | 2,580.3 |
| 4. | Chemicals | 368.6 | 374.1 | 381.0 | 389.4 |
| 5. | Operation Expense | 1,190.7 | 1,258.6 | 1,866.4 | 1,694.9 |
| 6. | Maintenance (excluding Amort Tank Painting) | 1,763.5 | 1,789.9 | 2,051.2 | 2,091.3 |
| 7. | Amortization of Tank Painting | 650.5 | 756.7 | 718.4 | 658.2 |
| 8. | Customer Accounting | 409.7 | 415.6 | 423.4 | 432.9 |
| 9. | Uncollectible Expense | 307.2 | 307.2 | 306.0 | 319.3 |
| 10. | Insurance | 554.0 | 575.1 | 891.9 | 904.8 |
| 11. | Pensions and Benefits | 1,947.4 | 2,160.7 | 2,211.4 | 2,308.4 |
| 12. | Regulatory Expenses | 346.0 | 346.0 | 125.5 | 501.9 |
| 13. | Rents | 718.7 | 731.4 | 835.8 | 803.3 |
| 14. | Other Administrative & General | 3,442.7 | 3,457.7 | 3,576.0 | 3,650.3 |
| 15. | Service Company Costs | 2,715.0 | 2,748.9 | 2,796.9 | 2,860.1 |
| 16. | Citizens Acquisition Premium | 888.6 | 892.2 | 896.0 | 900.4 |
| 17. | General Office Return on Rate Base | 495.4 | 650.4 | 752.3 | 776.2 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 863.2 | 845.2 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 6,245.4 | 6,245.4 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 221.1 | 226.2 | 232.2 | 238.9 | 182.1 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 27.8 | 28.1 | 28.6 | 29.2 | 29.8 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 60.3 | 61.1 | 62.2 | 63.7 | 50.9 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 9.1 | 9.2 | 9.4 | 9.6 | 9.5 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 29.4 | 31.0 | 46.0 | 41.9 | 33.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 43.5 | 44.1 | 50.5 | 51.6 | 48.2 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 16.1 | 18.6 | 17.7 | 16.3 | 13.4 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 10.1 | 10.2 | 10.4 | 10.7 | 9.0 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 7.6 | 7.6 | 7.5 | 7.9 | 65.4 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 13.7 | 14.2 | 22.0 | 22.3 | 14.8 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 48.1 | 53.2 | 54.5 | 57.0 | 47.2 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 8.5 | 8.5 | 3.1 | 12.4 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 17.7 | 18.0 | 20.6 | 19.8 | 15.7 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 85.0 | 85.2 | 88.1 | 90.1 | 75.2 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 67.0 | 67.7 | 68.9 | 70.6 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 21.9 | 22.0 | 22.1 | 22.2 | 22.1 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 12.2 | 16.0 | 18.5 | 19.2 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 21.3 | 20.9 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 153.9 | 154.2 | 195.1 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses
1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|---------|--------|--------|--------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | 1.0% | 5.6% | -0.3% | -3.2% |
| 2. | Purchased Water | N/A | 28.7% | -1.3% | 8.1% | -1.0% |
| 3. | Purchased Power | N/A | -11.4% | 2.0% | 9.6% | -14.0% |
| 4. | Chemicals | N/A | -16.4% | -2.3% | 19.6% | -4.1% |
| 5. | Operation - Source of Supply (SS) | N/A | -17.5% | 5.3% | 40.5% | 14.8% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | 7.9% | 39.6% | -40.1% | 56.4% |
| 7. | Amortization of Tank Painting | N/A | -15.0% | 20.9% | 46.5% | -16.5% |
| 8. | Customer Accounting | N/A | 2.1% | 1.4% | 3.5% | 3.3% |
| 9. | Uncollectible Expense | N/A | 1408.1% | -94.0% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 36.3% | -25.9% | -25.2% | 26.6% |
| 11. | Pensions and Benefits | N/A | -18.2% | 37.8% | 0.3% | -21.4% |
| 12. | Regulatory Expenses | N/A | -65.9% | 272.6% | 28.6% | -80.0% |
| 13. | Rents | N/A | 3.9% | -0.4% | 0.4% | 1.5% |
| 14. | Other Administrative & General | N/A | -7.7% | 20.3% | -6.2% | -2.8% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | -3.4% | -3.6% | -1.5% | 20.2% |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 23. | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED

Filing:

Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|--------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 13.6% | 2.6% | 2.6% | 2.6% | | 27.5% |
| 2. | Purchased Water | -10.8% | 1.4% | 1.7% | 1.8% | | -4.3% |
| 3. | Purchased Power | 18.0% | 1.5% | 1.8% | 2.2% | | 22.2% |
| 4. | Chemicals | -0.9% | 1.5% | 1.8% | 2.2% | | -1.3% |
| 5. | Operation - Source of Supply (SS) | -43.0% | 5.7% | 48.3% | -9.2% | | 35.5% |
| 6. | Maintenance (excluding Amort Tank Painting) | -14.3% | 1.5% | 14.6% | 2.0% | | 4.9% |
| 7. | Amortization of Tank Painting | 6.3% | 16.3% | -5.1% | -8.4% | | 31.6% |
| 8. | Customer Accounting | 2.9% | 1.5% | 1.9% | 2.2% | | 16.0% |
| 9. | Uncollectible Expense | 24.5% | 0.0% | -0.4% | 4.3% | | -88.5% |
| 10. | Insurance | -2.5% | 3.8% | 55.1% | 1.4% | | 48.6% |
| 11. | Pensions and Benefits | 6.7% | 11.0% | 2.3% | 4.4% | | 15.3% |
| 12. | Regulatory Expenses | 192.2% | 0.0% | -63.7% | 300.0% | | -48.0% |
| 13. | Rents | -1.8% | 1.8% | 14.3% | -3.9% | | 31.5% |
| 14. | Other Administrative & General | 5.1% | 0.4% | 3.4% | 2.1% | | 17.1% |
| 15. | Service Company Costs | 1.0% | 1.2% | 1.7% | 2.3% | | 9.6% |
| 16. | Citizens Acquisition Premium | 0.4% | 0.4% | 0.4% | 0.5% | | -0.3% |
| 17. | General Office Return on Rate Base | 4.7% | 31.3% | 15.7% | 3.2% | | 42.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | -2.1% | | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | 0.0% | | -21.2% |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | | |
| 23. | | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|-------|-------|-------|-------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Payroll Expense</u> | | | | | |
| 2. | Salaries | N/A | 3.2% | 5.1% | 1.4% | 0.5% |
| 3. | Overtime | N/A | 5.4% | 11.7% | 10.4% | -4.9% |
| 4. | Total Salaries | N/A | 3.5% | 5.9% | 2.5% | -0.2% |
| 5. | Capitalized Payroll | N/A | 18.4% | 7.4% | 16.9% | 12.8% |
| 6. | Total Net Payroll | N/A | 1.0% | 5.6% | -0.3% | -3.2% |
| 7. | Payroll per thousand customers (in \$000's) | N/A | 3.2% | 5.9% | 2.8% | -0.4% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | N/A | 1.5% | 0.9% | 2.6% | 2.6% |
| 12. | | | | | | |
| 13. | Number of employees | N/A | 1.7% | 0.9% | 2.4% | 2.8% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | 0.3% | 0.0% | -0.2% | 0.2% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

Filing: Final

PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: % calculations include allocation of General Office costs

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | | 2021 | 2022 |
| 1. | Salaries | 9.7% | 2.6% | 2.7% | 2.7% | 30.7% |
| 2. | Overtime | -0.1% | 2.4% | 2.4% | 2.4% | 53.2% |
| 3. | Total Salaries | 8.4% | 2.6% | 2.6% | 2.7% | 33.1% |
| 4. | Capitalized Payroll | -10.8% | 2.7% | 2.7% | 2.7% | 67.8% |
| 5. | Total Net Payroll | 13.6% | 2.6% | 2.6% | 2.6% | 27.5% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 8.4% | 2.6% | 2.6% | 2.7% | 33.1% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 7.9% | 0.0% | 0.0% | 0.0% | 8.0% |
| 12. | | | | | | |
| 13. | Number of employees | 7.9% | 0.0% | 0.0% | 0.0% | 8.0% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | 0.0% | 0.0% | 0.0% | 0.0% | -0.1% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--------------------------------|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 1. | Ad Valorem | 507 | 1,696.7 | 1,707.6 | 1,660.1 | 1,598.1 |
| 2. | Franchise Taxes | 507 | 14.5 | 12.5 | 25.9 | 12.9 |
| 3. | Payroll Taxes | 507 | 579.9 | 581.8 | 613.8 | 588.8 |
| 4. | Other | 507 | 0.1 | 0.3 | 40.0 | 84.6 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 2,291.2 | 2,302.3 | 2,339.8 | 2,284.5 |
| 9. | Other Tax Expense per customer | | 56.6 | 56.71 | 57.66 | 56.42 |
| | | | | | | 52.82 |

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--------------------------------|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | Ad Valorem | 507 | 1,778.1 | 2,136.4 | 2,203.9 | 2,335.3 | 1,630.7 | OTAX RO |
| 2. | Franchise Taxes | 507 | 1.3 | 1.3 | 1.3 | 1.4 | 0.0 | OTAX RO |
| 3. | Payroll Taxes | 507 | 677.2 | 692.0 | 707.2 | 722.5 | 621.2 | OTAX RO |
| 4. | Other | 507 | 33.2 | 33.7 | 34.3 | 35.1 | 1.1 | OTAX RO |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | Total Other Taxes | | 2,489.8 | 2,863.5 | 2,946.8 | 3,094.2 | 2,252.9 | |
| 9. | Other Tax Expense per customer | | 61.36 | 70.57 | 72.62 | 76.25 | 55.5 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables regarding the calculation of taxes based on income. The tables are presented as follows:

Table 6.1 – Calculation of Income Taxes at Present Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2020, and Attrition Year 2021 at the current or anticipated present rates in effect at the time.

Table 6.2 – Calculation of Income Taxes at Proposed Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2022, and Attrition Year 2023 if the tariff rates proposed by California American Water in this application are approved.

Information About Calculations

The methods used to compute taxable income are as follows:

- 1) Operating Revenues as shown on Chapter 2 – Tables 2.2 and 2.3 of the RO Report.
- 2) Total Operating Expenses and Uncollectibles as shown on Chapter 2- Tables 2.2 and 2.3 of the RO Report.
- 3) Book Depreciation as shown on Chapter 2 – Tables 2.2 and 2.3. California American Water has adopted FAS 109 and defers the difference between depreciation recorded on its books and depreciation used to calculate its taxable income.
- 4) Domestic Production Activity Deduction was calculated based on Internal Revenue Code Section 199 guidelines. Section 199 provides for a tax deduction based on qualified production activity income or wages whichever is less.
- 5) Rate Making Interest Expense was calculated using the Interest Synchronization Method that requires the application of the weighted cost of debt used in the calculation of the Rate of Return shown on Exhibit C to the net rate base shown on Chapter 9- Table 9.2 of the RO Report.
- 6) Taxes Other Than Income Taxes as shown on Exhibit A, Chapter 2, Tables 2.2 and 2.3.

- 7) Deferred Taxes can constitute one or more of the following:
- a. Investment Tax Credits that include the amortization of amounts deferred in previous years in accordance with previous provisions of the Federal Tax Code.
 - b. An adjustment to taxable net income resulting from the write-off of deferred income taxes amounts that resulted from a decrease in prior tax rates from 46% to 35%, known as the reverse South Georgia method. Additional deferred income taxes resulting from the reverse South Georgia method decrease have been grossed-up in accordance with FAS 109.
 - c. Additional deferred taxes resulting from bonus depreciation.

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|-------------------------------------|----------------|----------------|------------------------|------------------------------|----------------|-----------------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 68,896.8 | 68,901.4 | 68,629.8 | 71,607.6 | 74,526.3 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | | | |
| 3. | Operating Exps less uncollectibles | 28,011.0 | 28,959.7 | 37,743.4 | 38,496.7 | 39,046.7 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 307.2 | 307.2 | 306.0 | 319.3 | 319.3 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 8,075.1 | 9,281.5 | 9,782.5 | 10,534.0 | 11,285.6 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 4,515.1 | 5,572.5 | 5,742.2 | 6,015.5 | 6,288.8 | CH09, Tbl 9.2 |
| 8. | General Taxes | 2,489.8 | 2,863.5 | 2,946.8 | 3,094.2 | 3,233.0 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (28.6) | (29.0) | (29.6) | (30.2) | (30.9) | O&M RO |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | | | |
| 12. | Federal | 43,369.6 | 46,955.3 | 56,491.3 | 58,429.5 | 60,142.4 | Sum(Ln3...Ln10) |
| 13. | State | 43,369.6 | 46,955.3 | 56,491.3 | 58,429.5 | 60,142.4 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: **Final**

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|---|----------------|----------------|------------------------|------------------------------|----------------|--|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 25,527.3 | 21,946.1 | 12,138.5 | 13,178.1 | 14,383.9 | Calculated Ln13 X % N/A |
| 15. | State Income Tax @ (see below) | 2,256.6 | 1,940.0 | 1,073.0 | 1,164.9 | 1,271.5 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 2,256.6 | 1,940.0 | 1,073.0 | 1,164.9 | 1,271.5 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 23,270.6 | 19,689.5 | 10,198.4 | 11,842.3 | 12,962.3 | Calculated Ln19 X % WP Amort ITC |
| 20. | Federal Income Tax @ (See below) | 4,886.8 | 4,134.8 | 2,141.7 | 2,486.9 | 2,722.1 | |
| 21. | Less: Amort Deferred Federal ITC | (36.3) | (32.1) | (32.1) | (32.1) | (21.7) | |
| 22. | Less: Amort Excess Deferred Taxes | 0.0 | 0.0 | (656.0) | (657.5) | (664.1) | |
| 23. | FEDERAL INCOME TAX | 4,850.6 | 4,102.8 | 1,453.6 | 1,797.3 | 2,036.2 | Sum(Ln20...Ln22) |
| 24. | TOTAL TAXES ON INCOME | 7,107.2 | 6,042.8 | 2,526.6 | 2,962.3 | 3,307.8 | Ln18 + Ln 23 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|----------|-------------------------------------|-----------|-----------------|----------------|----------------|
| | | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 71,617.4 | 74,526.3 | 77,009.0 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | |
| 3. | Operating Exps less uncollectibles | 37,743.4 | 38,496.7 | 39,046.7 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 321.6 | 334.5 | 332.2 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 9,782.5 | 10,534.0 | 11,285.6 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 5,742.2 | 6,015.5 | 6,288.8 | CH09, Tbl 9.2 |
| 8. | General Taxes | 2,946.8 | 3,094.2 | 3,233.0 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (29.6) | (30.2) | (30.9) | CH06, Tbl 6.1 |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | |
| 12. | Federal | 56,506.9 | 58,444.7 | 60,155.3 | Sum(Ln3...Ln9) |
| 13. | State | 56,506.9 | 58,444.7 | 60,155.3 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|---|-----------------------------------|-----------|-----------------|----------------|---|
| | | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 15,110.5 | 16,081.6 | 16,853.7 | Calculated Ln13 X % CH06, Tbl 6.1 |
| 15. | State Income Tax @ (see below) | 1,335.8 | 1,421.6 | 1,489.9 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 1,335.8 | 1,421.6 | 1,489.9 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 13,170.5 | 14,745.8 | 15,432.0 | Calculated Ln18 X % CH06, Tbl 6.1 |
| 20. | Federal Income Tax @ (See below) | 2,765.8 | 3,096.6 | 3,240.7 | |
| 21. | Less: Amort Deferred Federal ITC | (32.1) | (32.1) | (21.7) | |
| 22. | Less: Amort Excess Deferred Taxes | (656.0) | (657.5) | (664.1) | |
| 23. | FEDERAL INCOME TAX | 2,077.7 | 2,407.1 | 2,554.9 | Ln19 + Ln 20 |
| 24. | TOTAL TAXES ON INCOME | 3,413.5 | 3,828.7 | 4,044.7 | Ln17 + Ln 21 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are thereofore, calculated at the District / Division level. | | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the Central Division of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 253,790.0 | 258,330.8 | 269,256.0 | 276,593.5 | 288,063.1 |
| 2. | Gross Additions During Year | 17,145.3 | 12,136.1 | 8,314.2 | 13,317.3 | 4,433.6 |
| 3. | Retirements | 12,604.6 | 979.4 | 1,623.3 | 1,847.6 | 2,490.7 |
| 4. | Sales and Adjustments | 0.0 | (231.5) | 646.5 | (0.1) | 13.8 |
| 5. | Net Additions | 4,540.8 | 10,925.2 | 7,337.5 | 11,469.6 | 1,956.7 |
| 6. | Construction Work in Progress Beg. Bal. | 13,762.2 | 6,940.9 | 2,806.0 | 3,010.3 | 745.4 |
| 7. | Construction Work in Progress End Bal. | 6,940.9 | 2,806.0 | 3,010.3 | 745.4 | 2,189.7 |
| 8. | Net Change During Year - CWIP | (6,821.3) | (4,134.9) | 204.3 | (2,264.9) | 1,444.3 |
| 9. | Total Beg. Utility Plant and CWIP | 267,552.2 | 265,271.7 | 272,062.0 | 279,603.7 | 288,808.5 |
| 10. | Net Additions - Total | (2,280.6) | 6,790.3 | 7,541.7 | 9,204.7 | 3,401.0 |
| 11. | 6 Year Average Weighting Factor (1) | 35.57% | 35.57% | 35.57% | 35.57% | 35.57% |
| 12. | Weighted Average Utility Plant | 266,741.0 | 267,687.0 | 274,744.6 | 282,877.9 | 290,018.2 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|--|---|-----------|-----------|---------------------|-----------------|---------------------------|-------------|
| | | 2019 | 2020 | | | | |
| 1. | Plant in Service Beg. of Year | 290,019.8 | 361,286.7 | 377,952.2 | 391,744.5 | 286,916.0 | PLT RO |
| 2. | Gross Additions During Year | 72,121.8 | 16,880.2 | 14,036.4 | 29,806.3 | 8,858.8 | PLT RO |
| 3. | Retirements | 854.9 | 214.7 | 244.2 | 471.9 | 263.4 | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | L5-L2+L3 |
| 5. | Net Additions | 71,266.9 | 16,665.5 | 13,792.2 | 29,334.3 | 8,595.3 | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 2,189.7 | 2,214.0 | 1,609.1 | 3,905.1 | 3,130.7 | PLT RO |
| 7. | Construction Work in Progress End Bal. | 2,214.0 | 1,609.1 | 3,905.1 | 3,816.6 | 3,279.3 | L7+L6 |
| 8. | Net Change During Year - CWIP | 24.3 | (604.9) | 2,296.0 | (88.5) | 148.6 | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 292,209.5 | 363,500.7 | 379,561.3 | 395,649.6 | 290,046.7 | L1+L6 |
| 10. | Net Additions - Total | 71,291.2 | 16,060.6 | 16,088.2 | 29,245.8 | 8,744.0 | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 35.57% | 35.57% | 35.57% | 35.57% | 31.27% | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 317,567.8 | 369,213.5 | 385,283.9 | 406,052.3 | 292,781.0 | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|-------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 253,790.0 | 258,330.8 | 269,256.0 | 276,593.5 | 288,063.1 |
| 2. | Gross Additions During Year | 17,145.3 | 12,136.1 | 8,314.2 | 13,317.3 | 4,433.6 |
| 3. | MISC Adjustments | 0.0 | (231.5) | 646.5 | (0.1) | 13.8 |
| 4. | Less Retirements | 12,604.6 | 979.4 | 1,623.3 | 1,847.6 | 2,490.7 |
| 5. | Plant in Service End. of Year | 258,330.8 | 269,256.0 | 276,593.5 | 288,063.1 | 290,019.8 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|-------------------------------|-----------|-----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | 2018 | |
| 1. | Plant in Service Beg. of Year | 290,019.8 | 361,286.7 | 377,952.2 | 391,744.5 | 286,916.0 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 72,121.8 | 16,880.2 | 14,036.4 | 29,806.3 | 8,858.8 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 854.9 | 214.7 | 244.2 | 471.9 | 263.4 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 361,286.7 | 377,952.2 | 391,744.5 | 421,078.8 | 295,511.4 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 266,741.0 | 267,687.0 | 274,744.6 | 282,877.9 | 290,018.2 |
| 2. | Average Customers | 40,452.0 | 40,550.0 | 40,595.0 | 40,540.0 | 40,538.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 6.6 | 6.6 | 6.8 | 7.0 | 7.2 |
| 4. | Change in Weighted Average Utility Plant | N/A | 945.9 | 7,057.6 | 8,133.3 | 7,140.3 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 0.35% | 2.64% | 2.96% | 2.52% |
| 6. | Percent of Incr. in Wgthd Avg Utility Plant Per Customer | N/A | 0.0000% | 0.0001% | 0.0001% | 0.0001% |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 317,567.8 | 369,213.5 | 385,283.9 | 406,052.3 | 292,781.0 | 92,502.9 | EXA Tbl 7.1 |
| 2. | Average Customers | 40,579.0 | 40,579.0 | 40,579.0 | 40,579.0 | 40,600.0 | (21.0) | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 7.8 | 9.1 | 9.5 | 10.0 | 7.2 | (4,404.9) | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 27,549.5 | 51,645.7 | 16,070.4 | 20,768.4 | N/A | 92,502.9 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 9.50% | 16.26% | 4.35% | 5.39% | N/A | 31.59% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | 0.0002% | 0.0004% | 0.0001% | 0.0001% | N/A | 0.0008% | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the Central Division of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its Central Division. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the Central Division.

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

Calculation of Weighted Average Plant Reserve

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|----------|----------|----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 94,046.2 | 86,607.4 | 91,626.7 | 96,555.9 | 101,136.4 |
| 2. | Annual Accrual Including CIAC Depreciation | 6,598.0 | 6,681.4 | 7,134.9 | 7,402.4 | 7,668.9 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 12,604.6 | 979.4 | 1,623.3 | 1,847.6 | 2,490.7 |
| 5. | (Salvage) and Cost of Removal | (787.2) | (726.7) | (546.8) | (974.3) | (702.9) |
| 6. | Depreciation Reserve Adjustments | (645.0) | 44.1 | (35.6) | (0.0) | (130.0) |
| 7. | | | | | | |
| 8. | Net Accrual | (7,438.7) | 5,019.3 | 4,929.2 | 4,580.4 | 4,345.2 |
| 9. | 6 Year Average Weighting Factor (1) | 47.31% | 47.31% | 47.31% | 47.31% | 47.31% |
| 10. | Weighted Average Depreciation | (3,519.3) | 2,374.6 | 2,332.0 | 2,167.0 | 2,055.7 |
| 11. | Weighted Average Depreciation Reserve | 90,526.9 | 88,982.1 | 93,958.7 | 98,722.9 | 103,192.1 |
| | (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 105,481.5 | 112,701.6 | 121,581.3 | 130,898.5 | 102,620.6 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 8,364.6 | 9,479.6 | 9,879.2 | 10,523.8 | 7,423.6 | DEPR RO |
| 3. | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 854.9 | 214.7 | 244.2 | 471.9 | 263.4 | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | (289.6) | (385.3) | (317.8) | (367.8) | (296.7) | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | |
| 8. | Net Accrual | 7,220.1 | 8,879.6 | 9,317.2 | 9,684.1 | 6,863.4 | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 47.31% | 47.31% | 47.31% | 47.31% | 47.01% | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 3,415.8 | 4,201.0 | 4,408.0 | 4,581.5 | 3,226.5 | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 108,897.4 | 116,902.6 | 125,989.2 | 135,480.0 | 105,847.1 | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 94,046.2 | 86,607.4 | 91,626.7 | 96,555.9 | 101,136.4 |
| 2. | Annual Accrual Including CIAC Depreciation | 6,598.0 | 6,681.4 | 7,134.9 | 7,402.4 | 7,668.9 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 12,604.6 | 979.4 | 1,623.3 | 1,847.6 | 2,490.7 |
| 4. | (Salvage) and Cost of Removal | (787.2) | (726.7) | (546.8) | (974.3) | (702.9) |
| 5. | Depreciation Reserve Adjustments | (645.0) | 44.1 | (35.6) | (0.0) | (130.0) |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 86,607.4 | 91,626.7 | 96,555.9 | 101,136.4 | 105,481.5 |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 105,481.5 | 112,701.6 | 121,581.3 | 130,898.5 | 102,620.6 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 8,364.6 | 9,479.6 | 9,879.2 | 10,523.8 | 7,423.6 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 854.9 | 214.7 | 244.2 | 471.9 | 263.4 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | (289.6) | (385.3) | (317.8) | (367.8) | (296.7) | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 112,701.6 | 121,581.3 | 130,898.5 | 140,582.5 | 109,484.0 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in property required to provide quality service to customers in its Central Division. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-------------|-------------|-------------|-------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 266,741.0 | 267,687.0 | 274,744.6 | 282,877.9 | 290,018.2 |
| 2. | Materials and Supplies | 262.2 | 234.2 | 271.8 | 232.5 | 276.2 |
| 3. | Working Cash, Operational | 11,703.3 | 15,002.4 | 18,420.7 | 17,903.2 | 15,049.7 |
| 4. | Working Cash, Lead Lag | 2,808.0 | 2,808.0 | 3,491.9 | 3,499.0 | 3,394.8 |
| 5. | SUBTOTAL | 281,514.5 | 285,731.5 | 296,929.0 | 304,512.5 | 308,738.8 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (90,526.9) | (88,982.1) | (93,958.7) | (98,722.9) | (103,192.1) |
| 9. | Advances for Construction | (1,136.2) | (1,096.7) | (1,057.3) | (1,017.8) | (978.4) |
| 10. | Unamortized Advances (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Contributions in Aid of Construction | (20,307.1) | (20,880.8) | (20,508.4) | (19,889.1) | (19,392.7) |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Accumulated Deferred Federal Income Taxes | (14,649.6) | (15,151.1) | (13,632.6) | (12,489.0) | (14,986.7) |
| 14. | Accumulated Deferred State Income Taxes | (4,059.3) | (4,528.5) | (5,421.6) | (5,548.0) | (5,115.0) |
| 15. | SUBTOTAL DEDUCTIONS | (130,679.1) | (130,639.2) | (134,578.5) | (137,666.9) | (143,664.8) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 150,835.4 | 155,092.3 | 162,350.5 | 166,845.6 | 165,074.0 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 4,706.1 | 4,838.9 | 5,065.3 | 5,205.6 | 4,143.4 |

Rate Base Calc EXA Tbl 9.1

CALIFORNIA-AMERICAN WATER COMPANY

Central Division - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-------------|-------------|---------------------|-------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| 1. | Weighted Average Utility Plant in Service | 317,567.8 | 369,213.5 | 385,283.9 | 406,052.3 | | 292,781.0 | RB RO |
| 2. | Materials and Supplies | 272.2 | 276.3 | 281.4 | 287.5 | | 272.5 | RB RO |
| 3. | Working Cash, Operational | 8,844.9 | 8,421.0 | 8,183.9 | 7,012.7 | | 3,239.8 | RB RO |
| 4. | Working Cash, Lead Lag | 5,045.0 | 5,259.0 | 5,320.6 | 5,572.2 | | 3,425.3 | RB RO |
| 5. | SUBTOTAL | 331,729.9 | 383,169.8 | 399,069.7 | 418,924.8 | | 299,718.5 | Sum (L1:L4) |
| 6. | | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (108,897.4) | (116,902.6) | (125,989.2) | (135,480.0) | | (105,847.1) | RB RO |
| 9. | Advances for Construction | (942.9) | (911.3) | (879.7) | (848.2) | | (1,004.7) | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | 0.00 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 11. | Contributions in Aid of Construction | (19,058.1) | (18,710.0) | (18,285.9) | (17,856.5) | | (18,772.1) | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (17,745.4) | (19,313.4) | (19,676.5) | (19,472.5) | | (16,250.1) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (5,202.7) | (5,321.7) | (5,465.6) | (5,607.0) | | (5,584.9) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (151,846.4) | (161,158.9) | (170,296.9) | (179,264.3) | | (147,458.8) | Sum (L7:L14) |
| 16. | | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 179,883.5 | 222,010.8 | 228,772.7 | 239,660.5 | | 152,259.8 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | | 2.51% | RB RO |
| 19. | Rate Making Interest | 4,515.1 | 5,572.5 | 5,742.2 | 6,015.5 | | 3,821.7 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-------------|-------------|-------------|-------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$150,835.4 | \$155,092.3 | \$162,350.5 | \$166,845.6 | \$165,074.0 |
| 2. | Average Customers | 40,452.0 | 40,550.0 | 40,595.0 | 40,540.0 | 40,538.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 3.7 | 3.8 | 4.0 | 4.1 | 4.1 |
| 4. | Change in Weighted Average Rate Base | N/A | 4,256.9 | 7,258.2 | 4,495.1 | (1,771.6) |
| 5. | Percent of Increase in Weighted Average Rate Base | N/A | 2.82% | 4.68% | 2.77% | -1.06% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | 0.0001% | 0.0001% | 0.0001% | 0.0000% |

CALIFORNIA-AMERICAN WATER COMPANY
Central Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-------------|-------------|---------------------|-------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2018 | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$179,883.5 | \$222,010.8 | \$228,772.7 | \$239,660.5 | \$239,660.5 | \$152,259.8 | \$76,513.0 | RB RO |
| 2. | Average Customers | 40,579.0 | 40,579.0 | 40,579.0 | 40,579.0 | 40,579.0 | 40,600.0 | (21.0) | ExAch3 TBL3.4,3.5 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 4.4 | 5.5 | 5.6 | 5.9 | 5.9 | 3.75024018 | (3,643.5) | L1/L2 |
| 4. | Change in Weighted Average Rate Base | 14,809.4 | 42,127.4 | 6,761.9 | 10,887.8 | 10,887.8 | N/A | 76,513.0 | Calculated |
| 5. | Percent of Increase in Weighted Average Rate Base | 8.97% | 23.42% | 3.05% | 4.76% | 4.76% | N/A | 50.25% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | 0.0002% | 0.0006% | 0.0001% | 0.0001% | 0.0001% | N/A | 0.0012% | L2/L5 |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Tables in this chapter contain information regarding an analysis of billing information by customer class for the Central Division. The analysis prices the average level of consumption using current tariff rates and rates proposed by California American Water for customers in its Central Division in this application. The information is presented as follows:

Table 10.1 - These tables contain a comparison of bills at the average level of consumption at both present rates and rates California American Water proposes to become effective January 1, 2021 for customers in its Central Division. Information is presented for Monterey main, Chualar, and Ambler, Toro, Garrapata, Ralph Lane service areas under consolidation.

Table 10.2 - This table contains information about tariff rates currently in effect for customers of the Central Division of California American Water.

Table 10.3 - This table contains information about tariff rates California American Water proposes be placed into effect on January 1, 2021 for customers of its Central Division. Information is presented for Monterey main, Chualar, and Ambler, Toro, Garrapata, and Ralph Lane under consolidation.

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey Main SF Current | | | |
|--|---------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Monterey Main | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 37.91 | | |
| Customer Class | Residential | | |

| Monterey Main SF Proposed | | | |
|--|---------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Monterey Main | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 37.91 | | |
| Customer Class | Residential | | |

| Monterey Main SF Current | | | |
|----------------------------------|--------------|-----------------|----------------|
| Water Service Charge | 5/8 x 3/4" | | \$20.94 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 29.90 | \$0.9125 | \$27.28 |
| Tier 3 | 8.01 | \$1.3688 | \$7.68 |
| Tier 4 | 0.00 | \$3.1939 | \$0.00 |
| Tier 5 | 0.00 | \$5.9314 | \$0.00 |
| | 0.00 | \$7.3002 | \$0.00 |
| Total Usage Charge (100 Gal) | 37.91 | | \$34.96 |
| Subtotal Base Bill | | | |
| | | | \$55.90 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 37.91 | \$0.0751 | \$2.85 |
| CEBA | 37.91 | \$0.0827 | \$3.14 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 37.91 | \$0.2219 | \$8.41 |
| Purchased Water | 37.91 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SDWSRF | 37.91 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 55.90 | 8.325% | \$4.65 |
| Meter Based WRAM/MCBA | Meter | 5/8 x 3/4" | \$10.08 |
| Subtotal Surcharges | | | |
| | | | \$30.94 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.98 |
| License Tax | | 2.00% | \$1.59 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.56 |
| Total Bill | | | |
| | | | \$89.40 |

| Monterey Main SF Proposed | | | |
|----------------------------------|--------------|-----------------|----------------|
| Water Service Charge | 5/8 x 3/4" | | \$25.63 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 29.90 | \$0.9628 | \$28.79 |
| Tier 3 | 8.01 | \$1.4443 | \$8.10 |
| Tier 4 | 0.00 | \$3.8513 | \$0.00 |
| | 0.00 | \$5.7770 | \$0.00 |
| Total Usage Charge (100 Gal) | 37.91 | | \$36.89 |
| Subtotal Base Bill | | | |
| | | | \$62.52 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 37.91 | \$0.0062 | \$0.24 |
| CEBA | 37.91 | \$0.1733 | \$6.57 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 37.91 | \$0.2219 | \$8.41 |
| Purchased Water | 37.91 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SDWSRF | 37.91 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 62.52 | 8.325% | \$5.20 |
| Meter Based WRAM/MCBA | Meter | 5/8 x 3/4" | \$10.08 |
| Subtotal Surcharges | | | |
| | | | \$32.61 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.10 |
| License Tax | | 2.00% | \$1.79 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.90 |
| Total Bill | | | |
| | | | \$98.02 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey Main MF Current | |
|--|-----------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 5/8 x 3/4" |
| Estimated consumption (CGL's) | 187.91 |
| Customer Class | Multifamily Res |

| Monterey Main MF Proposed | |
|--|-----------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 5/8 x 3/4" |
| Estimated consumption (CGL's) | 187.91 |
| Customer Class | Multifamily Res |

| Monterey Main MF Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| 5/8 x 3/4" | | | |
| Water Service Charge | | | \$20.94 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$0.8047 \$15.05 |
| Tier 2 | 18.70 | \$1.2070 | \$15.80 |
| Tier 3 | 18.70 | \$2.8163 | \$25.83 |
| Tier 4 | 13.10 | \$5.2303 | \$68.46 |
| Tier 5 | 18.70 | \$6.4373 | \$764.19 |
| Total Usage Charge (100 Gal) | 118.71 | | \$889.33 |
| | 187.91 | | |
| Subtotal Base Bill | | | |
| | | | \$910.27 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 187.91 | \$0.0751 | \$14.11 |
| CEBA | 187.91 | \$0.0827 | \$15.54 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 187.91 | \$0.2219 | \$41.70 |
| Purchased Water | 187.91 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SDWSRF | 187.91 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 910.27 | 8.325% | \$75.78 |
| Meter Based WRAM/MCBA | Meter | 5/8 x 3/4" | \$10.08 |
| Subtotal Surcharges | | | |
| | | | \$159.01 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$12.05 |
| License Tax | | 2.00% | \$19.59 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$31.63 |
| Total Bill | | | |
| | | | \$1,100.92 |

| Monterey Main MF Proposed | | | |
|----------------------------------|-----------|-----------------|------------------|
| 5/8 x 3/4" | | | |
| Water Service Charge | | | \$25.63 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$0.7058 \$13.20 |
| Tier 2 | 18.70 | \$1.0587 | \$13.86 |
| Tier 3 | 13.50 | \$2.8231 | \$26.68 |
| Tier 4 | 137.01 | \$4.2346 | \$406.14 |
| Total Usage Charge (100 Gal) | 187.91 | | \$459.88 |
| | | | |
| Subtotal Base Bill | | | |
| | | | \$485.50 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 187.91 | \$0.0062 | \$1.17 |
| CEBA | 187.91 | \$0.1733 | \$32.57 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 187.91 | \$0.2219 | \$41.70 |
| Purchased Water | 187.91 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SDWSRF | 187.91 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 485.50 | 8.325% | \$40.42 |
| Meter Based WRAM/MCBA | Meter | 5/8 x 3/4" | \$10.08 |
| Subtotal Surcharges | | | |
| | | | \$128.04 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$7.03 |
| License Tax | | 2.00% | \$11.44 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$18.47 |
| Total Bill | | | |
| | | | \$632.02 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey Main NR Current | |
|--|---------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 232.53 |
| Customer Class | Division 1 |

| Monterey Main NR Proposed | |
|--|---------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 232.53 |
| Customer Class | Division 1 |

| Monterey Main NR Current | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| 1" | | | | |
| Water Service Charge | | | | \$61.59 |
| Water Usage Charge: | | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | | \$366.84 |
| Tier 2 | 232.53 | \$1.5776 | | \$0.00 |
| Tier 3 | 0.00 | \$1.7748 | | \$0.00 |
| Tier 4 | 0.00 | \$1.9720 | | \$0.00 |
| Tier 5 | 0.00 | \$3.9440 | | \$0.00 |
| Total Usage Charge (100 Gal) | 232.53 | | | \$366.84 |
| Subtotal Base Bill | | | | |
| | | | | |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 232.53 | \$0.0751 | | \$17.46 |
| CEBA | 232.53 | \$0.0827 | | \$19.23 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| SDWSRF | 232.53 | \$0.0000 | | \$0.00 |
| MPWMD User Fee | 428.43 | 8.325% | | \$35.67 |
| Meter Based WRAM/MCBA | Meter | 1" | | \$30.23 |
| Subtotal Surcharges | | | | |
| | | | | |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$6.22 |
| License Tax | | 2.00% | | \$10.11 |
| Franchise Fee | | 0.00% | | \$0.00 |
| Subtotal Taxes & Fees | | | | |
| | | | | |
| Total Bill | | | | \$574.99 |

| Monterey Main NR Proposed | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| 1" | | | | |
| Water Service Charge | | | | \$72.82 |
| Water Usage Charge: | | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | | \$374.63 |
| Tier 2 | 232.53 | \$1.6111 | | \$0.00 |
| Tier 3 | 0.00 | \$1.8125 | | \$0.00 |
| Tier 4 | 0.00 | \$2.0138 | | \$0.00 |
| Tier 5 | 0.00 | \$4.0277 | | \$0.00 |
| Total Usage Charge (100 Gal) | 232.53 | | | \$374.63 |
| Subtotal Base Bill | | | | |
| | | | | |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 232.53 | \$0.0062 | | \$1.45 |
| CEBA | 232.53 | \$0.1733 | | \$40.30 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | | \$0.29 |
| SDWSRF | 232.53 | \$0.0000 | | \$0.00 |
| MPWMD User Fee | 447.45 | 8.325% | | \$37.25 |
| Meter Based WRAM/MCBA | Meter | 1" | | \$30.23 |
| Subtotal Surcharges | | | | |
| | | | | |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$6.71 |
| License Tax | | 2.00% | | \$10.92 |
| Franchise Fee | | 0.00% | | \$0.00 |
| Subtotal Taxes & Fees | | | | |
| | | | | |
| Total Bill | | | | \$602.25 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey Main NR Current | | | |
|--|---------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Monterey Main | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 232.53 | | |
| Customer Class | Division 2 | | |

| Monterey Main NR Proposed | | | |
|--|---------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Monterey Main | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 232.53 | | |
| Customer Class | Division 2 | | |

| Monterey Main NR Current | | | |
|------------------------------|-----------|-----------------|-----------------|
| 1" | | | |
| Water Service Charge | | | \$61.59 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$1.5776 \$0.00 |
| Tier 2 | 232.53 | | \$412.70 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 232.53 | | \$412.70 |
| Subtotal Base Bill | | | |
| \$474.29 | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 232.53 | \$0.0751 | \$17.46 |
| CEBA | 232.53 | \$0.0827 | \$19.23 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SDWSRF | 232.53 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 474.29 | 8.325% | \$39.48 |
| Meter Based WRAM/MCBA | Meter | 1" | \$30.23 |
| Subtotal Surcharges | | | |
| \$134.05 | | | |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$6.78 |
| License Tax | | 2.00% | \$11.03 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| \$17.81 | | | |
| Total Bill | | | |
| \$626.14 | | | |

| Monterey Main NR Proposed | | | |
|------------------------------|-----------|-----------------|-----------------|
| 1" | | | |
| Water Service Charge | | | \$72.82 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$1.6111 \$0.00 |
| Tier 2 | 232.53 | | \$421.46 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 5 | | | |
| Total Usage Charge (100 Gal) | 232.53 | | \$421.46 |
| Subtotal Base Bill | | | |
| \$494.28 | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 232.53 | \$0.0062 | \$1.45 |
| CEBA | 232.53 | \$0.1733 | \$40.30 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SDWSRF | 232.53 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 494.28 | 8.325% | \$41.15 |
| Meter Based WRAM/MCBA | Meter | 1" | \$30.23 |
| Subtotal Surcharges | | | |
| \$141.07 | | | |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$7.29 |
| License Tax | | 2.00% | \$11.85 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| \$19.15 | | | |
| Total Bill | | | |
| \$654.49 | | | |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey Main NR Current | |
|--|---------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 232.53 |
| Customer Class | Division 3 |

| Monterey Main NR Proposed | |
|--|---------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 232.53 |
| Customer Class | Division 3 |

| Monterey Main NR Current | | | |
|----------------------------------|---------------|-----------------|-----------------|
| 1" | | | |
| Water Service Charge | | | \$61.59 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$0.00 |
| Tier 2 | 0.00 | \$1.5776 | \$0.00 |
| Tier 3 | 0.00 | \$1.7748 | \$0.00 |
| Tier 4 | 232.53 | \$1.9720 | \$458.56 |
| Tier 5 | 0.00 | \$3.9440 | \$0.00 |
| Total Usage Charge (100 Gal) | 232.53 | | \$458.56 |
| Subtotal Base Bill | | | |
| | | | \$520.14 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 232.53 | \$0.0751 | \$17.46 |
| CEBA | 232.53 | \$0.0827 | \$19.23 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SDWSRF | 232.53 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 520.14 | 8.325% | \$43.30 |
| Meter Based WRAM/MCBA | Meter | 1" | \$30.23 |
| Subtotal Surcharges | | | |
| | | | \$137.86 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$7.35 |
| License Tax | | 2.00% | \$11.94 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$19.29 |
| Total Bill | | | |
| | | | \$677.29 |

| Monterey Main NR Proposed | | | |
|----------------------------------|---------------|-----------------|-----------------|
| 1" | | | |
| Water Service Charge | | | \$72.82 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$0.00 |
| Tier 2 | 0.00 | \$1.6111 | \$0.00 |
| Tier 3 | 0.00 | \$1.8125 | \$0.00 |
| Tier 4 | 232.53 | \$2.0138 | \$468.29 |
| Tier 5 | 0.00 | \$4.0277 | \$0.00 |
| Total Usage Charge (100 Gal) | 232.53 | | \$468.29 |
| Subtotal Base Bill | | | |
| | | | \$541.11 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 232.53 | \$0.0062 | \$1.45 |
| CEBA | 232.53 | \$0.1733 | \$40.30 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SDWSRF | 232.53 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 541.11 | 8.325% | \$45.05 |
| Meter Based WRAM/MCBA | Meter | 1" | \$30.23 |
| Subtotal Surcharges | | | |
| | | | \$144.96 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$7.87 |
| License Tax | | 2.00% | \$12.79 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$20.66 |
| Total Bill | | | |
| | | | \$706.73 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey Main NR Current | |
|--|---------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 232.53 |
| Customer Class | Division 4 |

| Monterey Main NR Proposed | |
|--|---------------|
| # Days in Billing period: | 30 |
| Locality | Monterey Main |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 232.53 |
| Customer Class | Division 4 |

| Monterey Main NR Current | | | |
|------------------------------|-----------|-----------------|-----------|
| 1" | | | |
| Water Service Charge | | | \$61.59 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$0.00 |
| Tier 2 | 0.00 | \$1.5776 | \$0.00 |
| Tier 3 | 0.00 | \$1.7748 | \$0.00 |
| Tier 4 | 0.00 | \$1.9720 | \$0.00 |
| Tier 5 | 232.53 | \$3.9440 | \$917.11 |
| Total Usage Charge (100 Gal) | 232.53 | | \$917.11 |
| Subtotal Base Bill | | | |
| \$978.70 | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 232.53 | \$0.0751 | \$17.46 |
| CEBA | 232.53 | \$0.0827 | \$19.23 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| SDWSRF | 232.53 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 978.70 | 8.325% | \$81.48 |
| Meter Based WRAM/MCBA | Meter | 1" | \$30.23 |
| Subtotal Surcharges | | | |
| \$176.04 | | | |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$12.99 |
| License Tax | | 2.00% | \$21.12 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| \$34.10 | | | |
| Total Bill | | | |
| \$1,188.84 | | | |

| Monterey Main NR Proposed | | | |
|------------------------------|-----------|-----------------|-----------|
| 1" | | | |
| Water Service Charge | | | \$72.82 |
| Water Usage Charge: | | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) | \$0.00 |
| Tier 2 | 0.00 | \$1.6111 | \$0.00 |
| Tier 3 | 0.00 | \$1.8125 | \$0.00 |
| Tier 4 | 0.00 | \$2.0138 | \$0.00 |
| Tier 5 | 232.53 | \$4.0277 | \$936.57 |
| Total Usage Charge (100 Gal) | 232.53 | | \$936.57 |
| Subtotal Base Bill | | | |
| \$1,009.40 | | | |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 232.53 | \$0.0062 | \$1.45 |
| CEBA | 232.53 | \$0.1733 | \$40.30 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 232.53 | \$0.1111 | \$25.83 |
| Purchased Water | 232.53 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| SDWSRF | 232.53 | \$0.0000 | \$0.00 |
| MPWMD User Fee | 1009.40 | 8.325% | \$84.03 |
| Meter Based WRAM/MCBA | Meter | 1" | \$30.23 |
| Subtotal Surcharges | | | |
| \$183.95 | | | |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$13.63 |
| License Tax | | 2.00% | \$22.16 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| \$35.78 | | | |
| Total Bill | | | |
| \$1,229.13 | | | |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Central Sat Present | |
|--|--------------------|
| # Days in Billing period: | 30 |
| Locality | Central Satellites |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 5/8 x 3/4" |
| Estimated consumption (CGL's) | 99.08 |
| Customer Class | Residential |

| Central Sat Present | | 5/8 x 3/4" |
|------------------------------|-----------|-----------------------|
| Water Service Charge | | \$13.68 |
| Water Usage Charge: | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) |
| | 60.00 | \$0.6341 |
| Tier 2 | 39.08 | \$1.0568 |
| Tier 3 | 0.00 | \$1.2682 |
| Tier 4 | 0.00 | \$1.8494 |
| Total Usage Charge (100 Gal) | | \$79.35 |
| Subtotal Base Bill | | \$93.03 |
| Surcharges: | | Units Rates Surcharge |
| Conservation | 99.08 | \$0.0751 |
| CEBA | 99.08 | \$0.0840 |
| LIRA | Flat | \$1.81 |
| WRAM/MCBA | 99.08 | \$0.1560 |
| Purchased Water | 99.08 | \$0.0000 |
| High Cost Fund | Flat | \$0.0000 |
| Subtotal Surcharges | | \$33.03 |
| Taxes and Fees: | | Rates Charge |
| Commission Surcharge | | 1.23% |
| License Tax | | 2.00% |
| Franchise Fee | | 0.00% |
| Subtotal Taxes & Fees | | \$3.83 |
| Total Bill | | \$129.88 |

| Central Sat Proposed | |
|--|--------------------|
| # Days in Billing period: | 30 |
| Locality | Central Satellites |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 5/8 x 3/4" |
| Estimated consumption (CGL's) | 99.08 |
| Customer Class | Residential |

| Central Sat Proposed | | 5/8 x 3/4" |
|------------------------------|-----------|-----------------------|
| Water Service Charge | | \$14.11 |
| Water Usage Charge: | | Charge |
| Tier 1 | Rate/Unit | Units (per CGL) |
| | 60.00 | \$0.6538 |
| Tier 2 | 39.08 | \$1.0897 |
| Tier 3 | 0.00 | \$1.3076 |
| Tier 4 | 0.00 | \$1.9070 |
| Total Usage Charge (100 Gal) | | \$81.81 |
| Subtotal Base Bill | | \$95.92 |
| Surcharges: | | Units Rates Surcharge |
| Conservation | 99.08 | \$0.0062 |
| CEBA | 99.08 | \$0.0614 |
| LIRA | Flat | \$1.81 |
| WRAM/MCBA | 99.08 | \$0.1560 |
| Purchased Water | 99.08 | \$0.0000 |
| High Cost Fund | Flat | \$0.2936 |
| Subtotal Surcharges | | \$24.26 |
| Taxes and Fees: | | Rates Charge |
| Commission Surcharge | | 1.23% |
| License Tax | | 2.00% |
| Franchise Fee | | 0.00% |
| Subtotal Taxes & Fees | | \$3.86 |
| Total Bill | | \$124.04 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Central Sat Present | | | |
|--|--------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Central Satellites | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 515.05 | | |
| Customer Class | Commercial | | |

| Central Sat Proposed | | | |
|--|--------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Central Satellites | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 515.05 | | |
| Customer Class | Commercial | | |

| Central Sat Present | | | |
|----------------------------------|-----------|-----------------|-----------------|
| 2" | | | |
| Water Service Charge | | | \$109.44 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 515.05 | \$1.0568 | \$544.32 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 515.05 | | \$544.32 |
| Subtotal Base Bill | | | |
| | | | \$653.76 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 515.05 | \$0.0751 | \$38.66 |
| CEBA | 515.05 | \$0.0840 | \$43.26 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 515.05 | \$0.1560 | \$80.35 |
| Purchased Water | 515.05 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$164.09 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$9.58 |
| License Tax | | 2.00% | \$15.58 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$25.17 |
| Total Bill | | | \$843.01 |

| Central Sat Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| 2" | | | |
| Water Service Charge | | | \$112.84 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 515.05 | \$1.0897 | \$561.24 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 515.05 | | \$561.24 |
| Subtotal Base Bill | | | |
| | | | \$674.09 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 515.05 | \$0.0062 | \$3.21 |
| CEBA | 515.05 | \$0.0614 | \$31.62 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 515.05 | \$0.1560 | \$80.35 |
| Purchased Water | 515.05 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$117.29 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$9.69 |
| License Tax | | 2.00% | \$15.76 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$25.46 |
| Total Bill | | | \$816.83 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Central Sat Present | | | |
|--|--------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Central Satellites | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 459.34 | | |
| Customer Class | Public Authority | | |

| Central Sat Proposed | | | |
|--|--------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Central Satellites | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 459.34 | | |
| Customer Class | Public Authority | | |

| Central Sat Present | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| 2" | | | | |
| Water Service Charge | | | | |
| | | | | \$109.44 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 459.34 | \$1.0568 | \$485.44 | |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 459.34 | | \$485.44 | |
| Subtotal Base Bill | | | | |
| | | | | \$594.88 |
| Surcharges: | | | | |
| Conservation | Units | Rates | Surcharge | |
| | 459.34 | \$0.0751 | \$34.48 | |
| CEBA | 459.34 | \$0.0840 | \$38.58 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 459.34 | \$0.1560 | \$71.66 | |
| Purchased Water | 459.34 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$146.53 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | Charge | |
| | | 1.23% | \$8.70 | |
| License Tax | | 2.00% | \$14.14 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$22.83 |
| Total Bill | | | | |
| | | | | \$764.24 |

| Central Sat Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| 2" | | | | |
| Water Service Charge | | | | |
| | | | | \$112.84 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 459.34 | \$1.0897 | \$500.53 | |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 459.34 | | \$500.53 | |
| Subtotal Base Bill | | | | |
| | | | | \$613.38 |
| Surcharges: | | | | |
| Conservation | Units | Rates | Surcharge | |
| | 459.34 | \$0.0062 | \$2.87 | |
| CEBA | 459.34 | \$0.0614 | \$28.20 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 459.34 | \$0.1560 | \$71.66 | |
| Purchased Water | 459.34 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2936 | \$0.29 | |
| Subtotal Surcharges | | | | |
| | | | | \$104.83 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | Charge | |
| | | 1.23% | \$8.80 | |
| License Tax | | 2.00% | \$14.31 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$23.11 |
| Total Bill | | | | |
| | | | | \$741.31 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Chualar Current | |
|--|-------------|
| # Days in Billing period: | 30 |
| Locality | Chualar |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 5/8 x 3/4" |
| Estimated consumption (CGL's) | 146.73 |
| Customer Class | Residential |

| Chualar Current | |
|----------------------------------|----------------------------|
| Water Service Charge | 5/8 x 3/4" \$24.88 |
| Water Usage Charge: | Units (per CGL) Charge |
| Tier 1 | Rate/Unit \$0.0953 \$13.98 |
| Tier 2 | \$0.00 \$0.00 |
| Tier 3 | \$0.00 \$0.00 |
| Tier 4 | \$0.00 \$0.00 |
| Total Usage Charge (100 Gal) | 146.73 \$13.98 |
| Subtotal Base Bill | \$38.86 |
| Surcharges: | Units Rates Surcharge |
| Conservation | 146.73 \$0.0000 \$0.00 |
| CEBA | 146.73 \$0.0000 \$0.00 |
| LIRA | Flat \$1.81 \$1.81 |
| WRAM/MCBA | 146.73 \$0.0000 \$0.00 |
| Purchased Water | 146.73 \$0.0000 \$0.00 |
| High Cost Fund | Flat \$0.0000 \$0.00 |
| Subtotal Surcharges | \$1.81 |
| Taxes and Fees: | Rates Charge |
| Commission Surcharge | 1.23% \$0.50 |
| License Tax | 2.00% \$0.81 |
| Franchise Fee | 0.00% \$0.00 |
| Subtotal Taxes & Fees | \$1.31 |
| Total Bill | \$41.99 |

| Chualar Proposed | |
|--|-------------|
| # Days in Billing period: | 30 |
| Locality | Chualar |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 5/8 x 3/4" |
| Estimated consumption (CGL's) | 146.73 |
| Customer Class | Residential |

| Chualar Proposed | |
|----------------------------------|----------------------------|
| Water Service Charge | 5/8 x 3/4" \$25.65 |
| Water Usage Charge: | Units (per CGL) Charge |
| Tier 1 | Rate/Unit \$0.0983 \$14.42 |
| Tier 2 | \$0.00 \$0.00 |
| Tier 3 | \$0.00 \$0.00 |
| Tier 4 | \$0.00 \$0.00 |
| Total Usage Charge (100 Gal) | 146.73 \$14.42 |
| Subtotal Base Bill | \$40.07 |
| Surcharges: | Units Rates Surcharge |
| Conservation | 146.73 \$0.0000 \$0.00 |
| CEBA | 146.73 \$0.0000 \$0.00 |
| LIRA | Flat \$1.81 \$1.81 |
| WRAM/MCBA | 146.73 \$0.0000 \$0.00 |
| Purchased Water | 146.73 \$0.0000 \$0.00 |
| High Cost Fund | Flat \$0.0000 \$0.00 |
| Subtotal Surcharges | \$1.81 |
| Taxes and Fees: | Rates Charge |
| Commission Surcharge | 1.23% \$0.52 |
| License Tax | 2.00% \$0.84 |
| Franchise Fee | 0.00% \$0.00 |
| Subtotal Taxes & Fees | \$1.35 |
| Total Bill | \$43.23 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Chualar Current | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Chualar |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 82.90 |
| Customer Class | Commercial |

| Chualar Current | | | |
|------------------------------|--|-----------|------------------------|
| Water Service Charge | | 1" | \$24.88 |
| Water Usage Charge: | | Rate/Unit | Units (per CGL) Charge |
| Tier 1 | | 82.90 | \$0.0953 \$7.90 |
| Tier 2 | | | \$0.00 |
| Tier 3 | | | \$0.00 |
| Tier 4 | | | \$0.00 |
| Total Usage Charge (100 Gal) | | 82.90 | \$7.90 |
| Subtotal Base Bill | | | \$32.78 |
| Surcharges: | | Units | Rates Surcharge |
| Conservation | | 82.90 | \$0.0000 \$0.00 |
| CEBA | | 82.90 | \$0.0000 \$0.00 |
| LIRA | | Flat | \$1.81 \$1.81 |
| WRAM/MCBA | | 82.90 | \$0.0000 \$0.00 |
| Purchased Water | | 82.90 | \$0.0000 \$0.00 |
| High Cost Fund | | Flat | \$0.0000 \$0.00 |
| Subtotal Surcharges | | | \$1.81 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.43 |
| License Tax | | 2.00% | \$0.69 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$1.12 |
| Total Bill | | | \$35.71 |

| Chualar Proposed | |
|--|------------|
| # Days in Billing period: | 30 |
| Locality | Chualar |
| Low Income Ratepayer Assistance (LIRA) | No |
| Meter Size | 1" |
| Estimated consumption (CGL's) | 82.90 |
| Customer Class | Commercial |

| Chualar Proposed | | | |
|------------------------------|--|-----------|------------------------|
| Water Service Charge | | 1" | \$25.65 |
| Water Usage Charge: | | Rate/Unit | Units (per CGL) Charge |
| Tier 1 | | 82.90 | \$0.0983 \$8.15 |
| Tier 2 | | | \$0.00 |
| Tier 3 | | | \$0.00 |
| Tier 4 | | | \$0.00 |
| Total Usage Charge (100 Gal) | | 82.90 | \$8.15 |
| Subtotal Base Bill | | | \$33.80 |
| Surcharges: | | Units | Rates Surcharge |
| Conservation | | 82.90 | \$0.0000 \$0.00 |
| CEBA | | 82.90 | \$0.0000 \$0.00 |
| LIRA | | Flat | \$1.81 \$1.81 |
| WRAM/MCBA | | 82.90 | \$0.0000 \$0.00 |
| Purchased Water | | 82.90 | \$0.0000 \$0.00 |
| High Cost Fund | | Flat | \$0.0000 \$0.00 |
| Subtotal Surcharges | | | \$1.81 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.44 |
| License Tax | | 2.00% | \$0.71 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$1.15 |
| Total Bill | | | \$36.76 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Chualar Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Chualar | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 581.18 | | |
| Customer Class | Public Authority | | |

| Chualar Current | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 2" | | \$32.45 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 581.18 | \$0.0577 | \$33.55 |
| Tier 2 | | | \$0.00 |
| Tier 3 | | | \$0.00 |
| Tier 4 | | | \$0.00 |
| Total Usage Charge (100 Gal) | | 581.18 | \$33.55 |
| Subtotal Base Bill | | | |
| | | | \$66.00 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 581.18 | \$0.0000 | \$0.00 |
| CEBA | 581.18 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 581.18 | \$0.0000 | \$0.00 |
| Purchased Water | 581.18 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$1.81 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.83 |
| License Tax | | 2.00% | \$1.36 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.19 |
| Total Bill | | | |
| | | | \$70.00 |

| Chualar Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Chualar | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 581.18 | | |
| Customer Class | Public Authority | | |

| Chualar Proposed | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 2" | | \$33.46 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 581.18 | \$0.0595 | \$34.59 |
| Tier 2 | | | \$0.00 |
| Tier 3 | | | \$0.00 |
| Tier 4 | | | \$0.00 |
| Total Usage Charge (100 Gal) | | 581.18 | \$34.59 |
| Subtotal Base Bill | | | |
| | | | \$68.05 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 581.18 | \$0.0000 | \$0.00 |
| CEBA | 581.18 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 581.18 | \$0.0000 | \$0.00 |
| Purchased Water | 581.18 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$1.81 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.86 |
| License Tax | | 2.00% | \$1.40 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.26 |
| Total Bill | | | |
| | | | \$72.12 |

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

| CHAPTER | TABLE | EXHIBIT DESCRIPTION |
|-----------|----------------------|--|
| Chapter 1 | | INTRODUCTION AND SUMMARY OF APPLICATION |
| | Chapter Introduction | Discusses Historical And Present Operations And Primary Causes For Proposed Rate Increases |
| | | |
| | | |
| Chapter 2 | | HISTORICAL AND PROJECTED SUMMARY OF EARNINGS |
| | Chapter Introduction | Discusses Summary Of Earnings Details |
| | Table 2.1 | Comparative Summary of Earnings for Test Year at Present and Proposed Rates |
| | Table 2.2 | Summary of Earnings At Proposed Rates |
| | Table 2.3 | Summary of Earnings at Present Rates |
| | Table 2.4 | Summary of Revenue Requirement Calculation |
| | | |
| | | |
| Chapter 3 | | OPERATING REVENUES |
| | Chapter Introduction | Discusses Calculation Of Operating Revenues |
| | Table 3.1 | Customers at Year End - Recorded |
| | Table 3.2 | Customers at Year End - Authorized - Proposed |
| | Table 3.3 | Calculation of the Percent of Increase in Customers at Year End - Authorized - Recorded - Proposed |
| | Table 3.4 | Average Number of Customers - Recorded |
| | Table 3.5 | Average Number of Customers - Authorized - Proposed |
| | Table 3.6 | Calculation of the Percent of Increase in Average Number of Customers - Auth - Rec - Prop |
| | Table 3.7 | Ave Annual Cons Per Cust - Recorded |
| | Table 3.8 | Ave Annual Cons Per Cust - Authorized - Proposed |
| | Table 3.9 | Calculation of the Percent of Increase in Ave Annual Cons Per Cust - Auth - Rec - Prop |
| | Table 3.10 | Annual Consumption (ccf) - Recorded |
| | Table 3.11 | Annual Consumption (ccf) - Authorized - Proposed |
| | Table 3.12 | Calculation of the Percent of Increase in Annual Consumption - Auth - Rec - Propo |
| | Table 3.13 | Water Production (Kccf) - Recorded |
| | Table 3.14 | Water Production (Kccf) - Authorized - Proposed |
| | Table 3.15 | Calculation of Percent of Increase in Water Production - Auth - Rec - Prop |
| | Table 3.16 | Comparison of Revenue By Customer Class at Present and Proposed Rates |
| | Table 3.17 | Operating Revenues at Present Rate - Recorded |
| | Table 3.18 | Operating Revenues at Present Rate - Authorized - Proposed |
| | Table 3.19 | Calculation of Percent of Increase in Operating Revenue at Present Rates - Auth - Rec - Prop |
| | Table 3.20 | Operating Revenues at Proposed Rate - Recorded |
| | Table 3.21 | Operating Revenues at Proposed Rate - Authorized - Proposed |
| | Table 3.22 | Calculation of Percent of Increase in Operating Revenue at Proposed Rates - Auth - Rec - Prop |
| | Table 3.23 | Operating Revenues Per Customer - Recorded |
| | Table 3.24 | Operating Revenues Per Customer - Authorized - Proposed |
| | | |
| | | |
| Chapter 4 | | OPERATING EXPENSES |
| | Chapter Introduction | Discusses Summary Of Operating Expense Information |
| | Table 4.1 | Summary of Total Operating Expenses - Recorded-Authorized-Proposed |
| | Table 4.2 | Payroll Expense |
| | Table 4.3 | Summary of Operation Expenses - Recorded-Authorized-Proposed |
| | Table 4.4 | Summary of Maintenance Expenses - Recorded-Authorized-Proposed |
| | Table 4.5 | Summary of A&G Expenses - Recorded-Authorized-Proposed |
| | Table 4.6a | Expenses Per Customer-Recorded Years |
| | Table 4.6b | Expenses Per Customer-Projected Years |
| | Table 4.7 | Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | Table 4.8 | Payroll Expense Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | | |

MONTEREY WASTE WATER

[illegible]

DISCUSSION OF INFORMATION SHOWN IN THIS SECTION

This section contains information regarding the corporate and operating history of the wastewater service operation of the Monterey District of California American Water. This information will enable the CPUC and parties reviewing the GRC application to understand the development of wastewater service within the district and issues faced by the district that shape the present operation.

Monterey Waste Water District History

In 1882, the Pacific Improvement Company provided water service to users when it laid lines from the headwaters of the Carmel River to supply the Del Monte Hotel. The water operation was renamed Monterey County Water Works in 1905. When the Pacific Improvement Company and the Crocker family lost interest in the area, Samuel F. B. Morse headed a group of investors who bought the water works along with seven thousand acres of land and the Del Monte Hotel in 1915. In 1930, Chester Loveland acquired the water works company. The district then became the property of California Water and Telephone Company in 1935 and in 1966 was part of a major acquisition by American Water Works Company, Inc.

The Monterey District of California American Water Company serves the six cities of Carmel-by-the-Sea, Pacific Grove, Monterey, Seaside, Sand City, Del Rey Oaks, the county areas of the Carmel Valley, and the Highway 68.

American Water Company who is the parent company to California American Water Company operates several waste water operations across the United States which provided both the necessary operation and engineering experience to operate Waste Water Operations.

Due to its existing presence in the Monterey area California American Water company sought permission to purchase three wastewater districts that the County of Monterey put up for sale through a request for bid; California American Water was the winning bidder. An application 02-05-058 was filed with the California Public Utilities Commission of the State of California to allow California American Water to expand its existing Certificate of Convenience and Necessity to include the provision of wastewater services to the Public. Decision 03-02-044, dated February 27, 2003 granted permission to California American Water Company to create the Monterey Wastewater Division and Service Area and acquired the assets of the following

wastewater systems, CSA 72 Las Palmas Ranch, CSA 10 Laguna Seca Ranch, and the Carmel Valley County Sanitation District. Monterey County had experienced significant difficulty operating these three wastewater districts within planned budgets and collected revenues.

The Las Palmas Ranch WW system is made up of two plants with a combined design capacity to handle 235,000 gallons per day. The Laguna Seca Ranch is also made up of two plants, with a combined capacity of 120,000 gallons per day. Finally the Carmel Valley County Sanitation District include three zones, Carmel Valley Ranch, White Oaks, and Village Greens.

On September 10, 2004 California American Water Company filed for authorization to purchase and to operate waste water operations in the communities of Spreckels, Oak Hills, and Indian Springs. Decision 04-11-028, dated November 19, 2004 granted this permission. Mr. Raymond L Smith, and Esther F Smith who owned and operated wastewater operations under the name of Watertek Since 1986, wished to sell their operations to an experienced operator first because of his age, and then to a party who could meet both state and federal environmental regulations.

The three systems which made up Watertek and that were sold to California American Water Company were the Spreckels Waste Water System which services approximately 204 customers; waste water is first treated in a treatment pond and then a percolation pond. Waste Water in the Oak Hills Wastewater Systems is treated by three treatment ponds and 20 acres of spray fields. Finally the Indian Springs Wastewater System, incorporates one treatment pond and 20 acres of spray fields.

All wastewater operations and management were incorporated into a single California American Water Company operation. Normal operations of the wastewater personnel are the monitoring, recording, adjusting, repair, and/or replacement of all collection, transmission, treatment and recycling devices involved in the operation of the various wastewater systems. This includes the inspection of new installations, and new subdivisions, monitoring and correcting flow problems. Normal maintenance includes the use of Vacuum type service trucks and jetting trucks to assist in the maintenance of the collection system such as the removal of root balls, or other flow restrictions.

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables that summarize earnings information and calculations at present and proposed rates presented as follows:

Table 2.1 – Comparative Summary of Earnings

This table contains a detailed summary of earnings for the 2021 Test Year at present and proposed rates as filed by California American Water. The table also contains columns for the inclusion and comparison of a detailed summary of earnings for the 2021 Test Year at present and proposed rates that will be filed by the California Public Advocates (Cal PA) during the processing of the application. For further comparison, the table contains a column for details of the summary of earnings for the 2021 Test Year adopted by the CPUC in its final decision regarding this application.

Table 2.2 – Summary of Earnings at Proposed Rates

This table contains a detailed summary of earnings for 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year at Proposed rates as filed by California American Water in this application.

Table 2.3 – Summary of Earnings at Present Rates

This table contains a detailed summary of earnings for the recorded years 2014-2018, Estimated Years 2019 and 2020, Test Year 2021, Escalation Year 2022, and Attrition Year 2023 at present rates. A comparison to these amounts to the adopted amounts from the most recent rate case filed by California American Water at proposed rates is also included.

Table 2.4 – Summary of Revenue Requirement Calculation

This table contains calculations of revenue requirements for the 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year based on financial information presented by California American Water in this application.

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
COMPARATIVE SUMMARY OF EARNINGS
FOR TEST YEAR AT PRESENT AND PROPOSED RATES

Filing: **Final**

| (\$ 1,000's) | At Present Rates | | At Proposed Rates | | Adopted Rates |
|--------------------------------|------------------|--------|-------------------|--------|---------------|
| Description | CAW | CAL PA | CAW | CAL PA | CPUC |
| Operating Revenues | 3,323.5 | 0.0 | 3,855.2 | 0.0 | 0.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 1,204.7 | 0.0 | 1,204.7 | 0.0 | 0.0 |
| Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Purchased Power | 196.1 | 0.0 | 196.1 | 0.0 | 0.0 |
| Chemicals | 277.5 | 0.0 | 277.5 | 0.0 | 0.0 |
| Operation and Maintenance | 507.1 | 0.0 | 507.1 | 0.0 | 0.0 |
| Customer Accounting | 36.0 | 0.0 | 36.0 | 0.0 | 0.0 |
| Uncollectibles | 14.8 | 0.0 | 17.2 | 0.0 | 0.0 |
| Insurance | 66.2 | 0.0 | 66.2 | 0.0 | 0.0 |
| Pensions and Benefits | 317.6 | 0.0 | 317.6 | 0.0 | 0.0 |
| Regulatory Expense | 6.8 | 0.0 | 6.8 | 0.0 | 0.0 |
| Rents | 31.4 | 0.0 | 31.4 | 0.0 | 0.0 |
| Other Administrative & General | 310.5 | 0.0 | 310.5 | 0.0 | 0.0 |
| Subtotal | 2,968.7 | 0.0 | 2,971.1 | 0.0 | 0.0 |
| Service Company | 152.4 | 0.0 | 152.4 | 0.0 | 0.0 |
| Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| GO Return on Rate Base | 41.0 | 0.0 | 41.0 | 0.0 | 0.0 |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M Expenses | 3,162.1 | 0.0 | 3,164.5 | 0.0 | 0.0 |
| Depreciation | 321.3 | 0.0 | 321.3 | 0.0 | 0.0 |
| General Taxes | 104.6 | 0.0 | 104.6 | 0.0 | 0.0 |
| Total Operating Expenses | 3,587.9 | 0.0 | 3,590.3 | 0.0 | 0.0 |
| Income Before Income Taxes | (264.5) | 0.0 | 264.9 | 0.0 | 0.0 |
| State Income Taxes | (30.3) | 0.0 | 16.5 | 0.0 | 0.0 |
| Federal Income Taxes | (102.9) | 0.0 | 8.2 | 0.0 | 0.0 |
| Total Income Taxes | (133.2) | 0.0 | 24.7 | 0.0 | 0.0 |
| Utility Operating Income | (131.2) | 0.0 | 240.2 | 0.0 | 0.0 |
| Rate Base | 3,156.1 | 0.0 | 3,156.1 | 0.0 | 0.0 |
| Return on Rate Base | -4.16% | 0.00% | 7.61% | 0.00% | 0.00% |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
SUMMARY OF EARNINGS AT PROPOSED RATES
(\$ 1,000's)

Filing: Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|---|------------------------|--------------------|-------------------|-------------------|
| | 2021 | 2022 | 2023 | |
| Operating Revenues | 3,855.2 | 3,971.8 | 4,100.3 | Tbl 2.4 |
| Operation & Maintenance Exp | | | | |
| Labor | 1,204.7 | 1,235.6 | 1,264.3 | Tbl 2.3 |
| Purchased Water | 0.0 | 0.0 | 0.0 | Tbl 2.3 |
| Purchased Power | 196.1 | 200.4 | 200.4 | Tbl 2.3 |
| Chemicals | 277.5 | 283.6 | 290.2 | Tbl 2.3 |
| Operation Expense | 311.1 | 317.9 | 325.2 | Tbl 2.3 |
| Maintenance (excluding Amort Tank Painting) | 196.0 | 200.3 | 204.9 | Tbl 2.3 |
| Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | Tbl 2.3 |
| Customer Accounting | 36.0 | 36.8 | 37.5 | Tbl 2.3 |
| Uncollectible Expense | 17.2 | 17.7 | 17.7 | Tbl 2.3 |
| Insurance | 66.2 | 67.3 | 68.5 | Tbl 2.3 |
| Pensions and Benefits | 317.6 | 330.1 | 337.8 | Tbl 2.3 |
| Regulatory Expenses | 6.8 | 27.3 | 27.3 | Tbl 2.3 |
| Rents | 31.4 | 29.3 | 29.7 | Tbl 2.3 |
| Other Administrative & General | 310.5 | 288.4 | 293.6 | Tbl 2.3 |
| Service Company Costs | 152.4 | 155.8 | 159.6 | Tbl 2.3 |
| Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | Tbl 2.3 |
| General Office Return on Rate Base | 41.0 | 42.3 | 43.6 | Tbl 2.3 |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | Tbl 2.3 |
| Sam Clemente Dam | 0.0 | 0.0 | 0.0 | |
| Total O&M expenses | 3,164.5 | 3,232.8 | 3,300.4 | Calculated |
| Depreciation | 321.3 | 339.1 | 357.0 | Tbl 2.3 |
| General Taxes | 104.6 | 108.4 | 112.9 | Tbl 2.3 / CH02 RO |
| Total Operating Expenses | 3,590.3 | 3,680.3 | 3,770.3 | Calculated |
| Income Before Income Taxes | 264.9 | 291.4 | 330.0 | Calculated |
| State Income Taxes | 16.5 | 17.9 | 20.5 | Tbl 6.2 |
| Federal Income Taxes | 8.2 | 2.6 | 7.9 | Tbl 6.2 |
| Total Income Taxes | 24.7 | 20.5 | 28.3 | Calculated |
| Utility Operating Income | 240.2 | 270.9 | 301.7 | Calculated |
| Average Rate Base | 3,156.1 | 3,559.9 | 3,963.7 | Tbl 2.3 |
| Return on Rate Base | 7.61% | 7.61% | 7.61% | Calculated |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC

SUMMARY OF EARNINGS AT PRESENT RATES

| Description | Note: Expenses Include Allocation of General Office Expenses | | | | | Note: Expenses Include Allocation of General Office Expenses | | | | | Filing: Final | | |
|---|--|---------|---------|---------|---------|--|---------|--------------------------|----------------------|---------------------|--------------------------------|---------------------|--|
| | Recorded Years | | | | | Estimated | | | | | Filing: Final | | |
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Projected Test Year 2021 | Escalation Year 2022 | Attrition Year 2023 | Last Authorized Test Year 2018 | Reference | |
| Operating Revenues | 3,405.8 | 3,236.8 | 3,362.1 | 3,268.1 | 3,348.4 | 3,323.5 | 3,307.6 | 3,323.5 | 3,851.4 | 3,971.8 | 3,325.7 | Ch 3, Tbl 3.17-3.18 | |
| Operation & Maintenance Exp | | | | | | | | | | | | | |
| Labor | 987.4 | 961.3 | 995.7 | 938.6 | 1,057.4 | 1,145.1 | 1,174.5 | 1,204.7 | 1,235.6 | 1,264.3 | 993.3 | Ch 4, Tbl 4.1 | |
| Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 | |
| Purchased Power | 213.9 | 109.6 | 198.8 | 196.2 | 214.5 | 189.7 | 192.5 | 196.1 | 200.4 | 200.4 | 137.2 | Ch 4, Tbl 4.1 | |
| Chemicals | 242.5 | 268.4 | 273.7 | 274.1 | 261.8 | 268.5 | 272.5 | 277.5 | 283.6 | 290.2 | 249.9 | Ch 4, Tbl 4.1 | |
| Operation Expense | 254.1 | 251.1 | 336.1 | 351.0 | 285.1 | 300.4 | 304.9 | 311.1 | 317.9 | 325.2 | 274.1 | Ch 4, Tbl 4.1 | |
| Maintenance (excluding Amort Tank Painting) | 101.2 | 184.4 | 282.7 | 183.4 | 166.6 | 189.6 | 192.5 | 196.0 | 200.3 | 204.9 | 148.3 | Ch 4, Tbl 4.1 | |
| Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 | |
| Customer Accounting | 33.9 | 33.1 | 41.6 | 34.5 | 34.9 | 34.9 | 35.4 | 36.0 | 36.8 | 37.5 | 33.0 | Ch 4, Tbl 4.1 | |
| Uncollectible Expense | 16.6 | 10.3 | 15.0 | 16.0 | 15.3 | 14.8 | 14.7 | 14.8 | 17.2 | 17.2 | 17.1 | Ch 4, Tbl 4.1 | |
| Insurance | 44.2 | 57.3 | 45.6 | 35.8 | 42.9 | 47.2 | 48.6 | 66.2 | 67.3 | 68.5 | 43.3 | Ch 4, Tbl 4.1 | |
| Pensions and Benefits | 263.3 | 194.6 | 294.5 | 286.0 | 205.0 | 281.3 | 312.8 | 317.6 | 330.1 | 337.8 | 258.6 | Ch 4, Tbl 4.1 | |
| Regulatory Expenses | 22.5 | 6.7 | 11.2 | 21.6 | 4.3 | 18.8 | 18.8 | 6.8 | 27.3 | 27.3 | 15.4 | Ch 4, Tbl 4.1 | |
| Rents | 10.2 | 10.4 | 90.6 | 6.2 | 15.7 | 25.4 | 25.9 | 31.4 | 29.3 | 29.7 | 9.4 | Ch 4, Tbl 4.1 | |
| Other Administrative & General | 614.0 | 297.5 | 153.2 | 146.9 | 80.5 | 301.1 | 342.8 | 310.5 | 288.4 | 293.6 | 340.3 | Ch 4, Tbl 4.1 | |
| Service Company Costs | 185.6 | 187.5 | 188.9 | 167.3 | 166.1 | 147.9 | 149.7 | 152.4 | 155.8 | 159.6 | 162.6 | Ch 4, Tbl 4.1 | |
| Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 | |
| General Office Return on Rate Base | 22.9 | 27.1 | 30.1 | 25.8 | 29.2 | 27.0 | 35.4 | 41.0 | 42.3 | 43.6 | 33.7 | Ch 4, Tbl 4.1 | |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 | |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 | |
| Total O&M expenses | 3,012.4 | 2,599.2 | 2,957.8 | 2,683.5 | 2,579.2 | 2,991.7 | 3,121.1 | 3,162.1 | 3,232.3 | 3,299.8 | 2,716.1 | Calculated | |
| Depreciation | 202.6 | 178.6 | 187.0 | 193.6 | 196.0 | 296.4 | 308.0 | 321.3 | 339.1 | 357.0 | 301.4 | SE RO | |
| General Taxes | 123.4 | 96.1 | 186.7 | 98.6 | 108.6 | 99.6 | 102.0 | 104.6 | 108.4 | 112.9 | 97.6 | Ch 5, Tbl 5.1 | |
| Total Operating Expenses | 3,338.3 | 2,873.9 | 3,331.6 | 2,975.7 | 2,883.8 | 3,387.7 | 3,531.2 | 3,587.9 | 3,679.8 | 3,769.7 | 3,115.1 | Calculated | |
| Income Before Income Taxes | 67.6 | 362.9 | 30.5 | 292.4 | 464.6 | (64.2) | (223.5) | (264.5) | 171.6 | 202.1 | 210.6 | Calculated | |
| State Income Taxes | 0.2 | 25.8 | (4.5) | 18.1 | 34.7 | (12.4) | (26.4) | (30.3) | 7.4 | 9.2 | 13.9 | Ch 6, Tbl 6.1-6.2 | |
| Federal Income Taxes | 0.9 | 93.3 | (16.1) | 65.3 | 75.2 | (26.7) | (60.2) | (102.9) | (22.6) | (19.0) | 30.6 | Ch 6, Tbl 6.1-6.2 | |
| Total Income Taxes | 1.1 | 119.1 | (20.6) | 83.5 | 110.0 | (39.1) | (86.6) | (133.2) | (15.2) | (9.8) | 44.5 | Calculated | |
| Utility Operating Income | 66.5 | 243.7 | 51.1 | 208.9 | 354.6 | (25.1) | (136.9) | (131.2) | 186.8 | 211.9 | 166.1 | Calculated | |
| Average Rate Base | 2,118.0 | 2,295.4 | 2,622.4 | 2,834.0 | 2,891.4 | 3,044.8 | 3,038.5 | 3,156.1 | 3,559.9 | 3,963.7 | 2,182.2 | Ch 9, Tbl 9.1 | |
| Return on Rate Base | 3.14% | 10.62% | 1.95% | 7.37% | 12.27% | -0.82% | -4.51% | -4.16% | 5.25% | 5.35% | 7.61% | Calculated | |

SUMMARY OF REVENUE REQUIREMENT CALCULATION

| (\$ 1,000's) | Projected Test Year | Escalation Year | Attrition Year | |
|---|------------------------|--------------------|-------------------|---------------|
| Description | 2021 | 2022 | 2023 | Reference |
| Weighted Average Rate Base | 3,156.1 | 3,559.9 | 3,963.7 | Ch 9, Tbl 9.1 |
| Rate of Return Requested | 7.61% | 7.61% | 7.61% | |
| Utility Operating Income | | | | |
| Required | 240.2 | 270.9 | 301.6 | Calculated |
| At Present Rates | (131.2) | 186.8 | 211.9 | Ch 2, Tbl 2.3 |
| Increase (Decrease) in UOI Required | 371.4 | 84.1 | 89.7 | Calculated |
| Net to Gross Multiplier | 1.43172 | 1.43177 | 1.43174 | CH02 RO |
| Gross Revenues | | | | |
| Incr (Decr) in Revenues Required | 531.7 | 120.4 | 128.5 | Calculated |
| Revenues at Present Rates | 3,323.5 | 3,851.4 | 3,971.8 | Ch 2, Tbl 2.3 |
| Revenues at Proposed Rates | 3,855.2 | 3,971.8 | 4,100.3 | Calculated |
| Percent Incr (Decr) in Revenues | 16.00% | 3.13% | 3.24% | Calculated |
| 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DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables used to forecast customers, water sales and operating revenues as filed by California American Water in this application and is presented as follows:

Table 3.1 through Table 3.6

These tables contain information regarding projections of the number of customers for the Monterey Wastewater District of California American Water presented in this application. For the most part, no real growth in customers is anticipated. The number of customers forecasted to be served by the district during 2021, 2022 and 2023 was based on 2019 expected year end number of customers.

Table 3.7 through 3.15

Customers are billed on a flat rate basis rather than water usage. Therefore, information regarding water sales is not relevant to the Monterey Wastewater District.

Table 3.16 through 3.22

These tables contain operating revenue information for the Monterey Wastewater District of California American Water presented in this application.

Revenues at present rates for the 2019, 2020, and 2021 result from application of the proposed general wastewater standard service rates for the Monterey Wastewater District to forecasted customers presented in this Chapter and rates currently in effect. Revenues at present rates for the 2021 Test Year and 2022 Escalation Year were determined by application of the general wastewater service rates California American Water proposes to implement on January 1 of each preceding year to the customers forecasted for each of those years.

Revenues at proposed rates for 2021 and 2022 are developed inflating the current rates by the proposed percent increase and applying it against the projected number of customers times twelve months. .

The revenues result from applying the overall proposed increase as determined in the revenue requirement to all of the present rates from the preceding year.

California American Water
Monterey Wastewater - 2019 GRC
CUSTOMERS AT YEAR END
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|------------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Sewer Customers: | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 1,282 | 1,316 | 1,310 | 1,302 | 1,298 |
| 3. | Residential & Small Commercial | SARC | 430 | 428 | 426 | 422 | 413 |
| 4. | Residential & Small Commercial | SPRC | 727 | 741 | 741 | 739 | 729 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 15 | 15 | 16 | 16 | 15 |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 28 | 30 | 19 | 26 | 27 |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 1 | 1 | 1 | 1 | 1 |
| 12. | Industrial (Sewer - Passive) | SPIN | 2 | 2 | 7 | 4 | 4 |
| 13. | Public Authority (School) (Sewer) | SAOP | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer) | SPOP | 4 | 4 | 4 | 4 | 4 |
| 15. | Golf Course (Sewer - Active) | SAGO | 1 | 1 | 1 | 1 | 1 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 2,490 | 2,538 | 2,525 | 2,515 | 2,492 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

California American Water
Monterey Wastewater - 2019 GRC
CUSTOMERS AT YEAR END
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year 2022 | Escalation Year 2023 |
|------------------|--|-------|---------------------------|----------------|----------------|--------------------|----------------------|----------------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| Sewer Customers: | | | | | | | | |
| 1. | Residential (Sewer - Active) | SARE | 0 | 1,298 | 1,298 | 1,298 | 1,298 | 1,298 |
| 2. | Residential (Sewer - Active) | SARE | 0 | 1,298 | 1,298 | 1,298 | 1,298 | 1,298 |
| 3. | Residential & Small Commercial (Sewer) | SARC | 1,744 | 413 | 413 | 413 | 413 | 413 |
| 4. | Residential & Small Commercial (Sewer) | SPRC | 0 | 729 | 729 | 729 | 729 | 729 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 841 | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 0 | 15 | 15 | 15 | 15 | 15 |
| 8. | Small Commercial (Sewer - Active) | SASC | 14 | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 0 | 27 | 27 | 27 | 27 | 27 |
| 10. | Commercial (Sewer) | SCOM | 30 | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 0 | 1 | 1 | 1 | 1 | 1 |
| 12. | Industrial (Sewer - Passive) | SPIN | 1 | 4 | 4 | 4 | 4 | 4 |
| 13. | Public Authority (School) (Sewer - Active) | SAOP | 2 | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer - Passiv | SPOP | 1 | 4 | 4 | 4 | 4 | 4 |
| 15. | Golf Course (Sewer - Active) | SAGO | 1 | 1 | 1 | 1 | 1 | 1 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 1 | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 3 | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 2,638 | 2,492 | 2,492 | 2,492 | 2,492 | 2,492 |

References: Line 17 is sum of lines 2 thru 16

California American Water
Monterey Wastewater - 2019 GRC
CUSTOMERS AT YEAR END
CALCULATION OF PERCENT CHANGE IN CUSTOMERS AT YEAR END

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|----------------------------------|-------|----------------|--------|---------|---------|--------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Sewer Customers: | | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | N/A | 2.65% | -0.46% | -0.61% | -0.31% | 0.00% | 0.00% |
| 3. | Residential & Small Commercial | SARC | N/A | -0.47% | -0.47% | -0.94% | -2.13% | 0.00% | 0.00% |
| 4. | Residential & Small Commercial | SPRC | N/A | 1.93% | 0.00% | -0.27% | -1.35% | 0.00% | 0.00% |
| 5. | Mobile Home Residential (Sewer) | SPMH | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6. | Recreational Vehicle (Sewer) | SPRV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Commercial (Sewer - Active) | SACO | N/A | 0.00% | 6.67% | 0.00% | -6.25% | 0.00% | 0.00% |
| 8. | Small Commercial (Sewer - Activ | SASC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Large Commercial (Sewer - Passi | SPLC | N/A | 7.14% | -36.67% | 36.84% | 3.85% | 0.00% | 0.00% |
| 10. | Commercial (Sewer) | SCOM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Hotel (Sewer - Active) | SAHO | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 12. | Industrial (Sewer - Passive) | SPIN | N/A | 0.00% | 250.00% | -42.86% | 0.00% | 0.00% | 0.00% |
| 13. | Public Authority (School) (Sewer | SAOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Public Authority (School) (Sewer | SPOP | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 15. | Golf Course (Sewer - Active) | SAGO | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 16. | Miscellaneous (Sewer - Active) | SMIS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | SPCA Contract (Sewer - Active) | SASP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | -0.47% | 0.79% | -0.51% | -0.67% | 0.00% | 0.00% |
| References: Recorded year % calculated by dividing the # customers by prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr # customers by last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

California American Water
Monterey Wastewater - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|------------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Sewer Customers: | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 1,308 | 1,300 | 1,314 | 1,307 | 1,301 |
| 3. | Residential & Small Commercial | SARC | 430 | 429 | 428 | 424 | 418 |
| 4. | Residential & Small Commercial | SPRC | 739 | 735 | 742 | 741 | 734 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 15 | 15 | 16 | 16 | 16 |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 28 | 29 | 25 | 23 | 27 |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 1 | 1 | 1 | 1 | 1 |
| 12. | Industrial (Sewer - Passive) | SPIN | 2 | 2 | 5 | 6 | 4 |
| 13. | Public Authority (School) (Sewer) | SAOP | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer) | SPOP | 4 | 4 | 4 | 4 | 4 |
| 15. | Golf Course (Sewer - Active) | SAGO | 1 | 1 | 1 | 1 | 1 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 2,528 | 2,516 | 2,536 | 2,523 | 2,506 |
| Reference Line 17 is sum of lines 2 thru 16 | | | | | | | |
| Average calculated using current and prior period-end customers. | | | | | | | |

California American Water
Monterey Wastewater - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|------------------|----------------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | | 2021 | 2022 |
| Sewer Customers: | | | | | | | | |
| 1. | Residential (Sewer - Active) | SARE | 0 | 1,298 | 1,298 | 1,298 | 1,298 | 1,298 |
| 2. | Residential & Small Commercial | SARC | 1,744 | 413 | 413 | 413 | 413 | 413 |
| 3. | Residential & Small Commercial | SPRC | 0 | 729 | 729 | 729 | 729 | 729 |
| 4. | Mobile Home Residential (Sewer) | SPMH | 791 | 0 | 0 | 0 | 0 | 0 |
| 5. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. | Commercial (Sewer - Active) | SACO | 0 | 15 | 15 | 15 | 15 | 15 |
| 7. | Small Commercial (Sewer - Activ | SASC | 14 | 0 | 0 | 0 | 0 | 0 |
| 8. | Large Commercial (Sewer - Passi | SPLC | 0 | 27 | 27 | 27 | 27 | 27 |
| 9. | Commercial (Sewer) | SCOM | 30 | 0 | 0 | 0 | 0 | 0 |
| 10. | Hotel (Sewer - Active) | SAHO | 0 | 1 | 1 | 1 | 1 | 1 |
| 11. | Industrial (Sewer - Passive) | SPIN | 1 | 4 | 4 | 4 | 4 | 4 |
| 12. | Public Authority (School) (Sewer | SAOP | 2 | 0 | 0 | 0 | 0 | 0 |
| 13. | Public Authority (School) (Sewer | SPOP | 1 | 4 | 4 | 4 | 4 | 4 |
| 14. | Golf Course (Sewer - Active) | SAGO | 1 | 1 | 1 | 1 | 1 | 1 |
| 15. | Miscellaneous (Sewer - Active) | SMIS | 1 | 0 | 0 | 0 | 0 | 0 |
| 16. | SPCA Contract (Sewer - Active) | SASP | 3 | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 2,588 | 2,492 | 2,492 | 2,492 | 2,492 | 2,492 |

References: Line 17 is sum of lines 2 thru 16
Average calculated using current and prior period-end customers.

California American Water
Monterey Wastewater - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
CALCULATION OF PERCENT CHANGE IN AVERAGE NUMBER OF CUSTOMERS

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|--|-------|----------------|--------|---------|--------|---------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Sewer Customers: | | | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | N/A | -0.61% | 1.08% | -0.53% | -0.46% | -0.23% | 0.00% | |
| 3. | Residential & Small Commercial | SARC | N/A | -0.23% | -0.23% | -0.93% | -1.42% | -1.20% | 0.00% | |
| 4. | Residential & Small Commercial | SPRC | N/A | -0.54% | 0.95% | -0.13% | -0.94% | -0.68% | 0.00% | |
| 5. | Mobile Home Residential (Sewer - Active) | SPMH | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 6. | Recreational Vehicle (Sewer - Active) | SPRV | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 7. | Commercial (Sewer - Active) | SACO | N/A | 0.00% | 6.67% | 0.00% | 0.00% | -6.25% | 0.00% | |
| 8. | Small Commercial (Sewer - Active) | SASC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 9. | Large Commercial (Sewer - Passive) | SPLC | N/A | 3.57% | -13.79% | -8.00% | 17.39% | 0.00% | 0.00% | |
| 10. | Commercial (Sewer - Active) | SCOM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Hotel (Sewer - Active) | SAHO | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| 12. | Industrial (Sewer - Passive) | SPIN | N/A | 0.00% | 150.00% | 20.00% | -33.33% | 0.00% | 0.00% | |
| 13. | Public Authority (School) (Sewer - Active) | SAOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Public Authority (School) (Sewer - Active) | SPOP | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| 15. | Golf Course (Sewer - Active) | SAGO | N/A | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| 16. | Miscellaneous (Sewer - Active) | SMIS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 17. | SPCA Contract (Sewer - Active) | SASP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | -0.47% | 0.79% | -0.51% | -0.67% | -0.56% | 0.00% | |
| References: | | | | | | | | | | |
| Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. | | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. | | | | | | | | | | |
| Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|------------------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Sewer Customers: | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Residential & Small Commercial | SARC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Residential & Small Commercial | SPRC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | Commercial (Sewer - Active) | SACO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Small Commercial (Sewer - Active) | SASC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Commercial (Sewer) | SCOM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Hotel (Sewer - Active) | SAHO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Industrial (Sewer - Passive) | SPIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Public Authority (School) (Sewer) | SAOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Public Authority (School) (Sewer) | SPOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Golf Course (Sewer - Active) | SAGO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Reserved | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Reserved | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Reserved | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | TOTAL | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| References: Line 17 is total consumption TBL 3.10 divided by average customers TBL 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|---|----------------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 1. | Sewer Customers: | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Residential & Small Commercial | SARC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Residential & Small Commercial | SPRC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | Commercial (Sewer - Active) | SACO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Small Commercial (Sewer - Activ | SASC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Large Commercial (Sewer - Pass | SPLC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Commercial (Sewer) | SCOM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Hotel (Sewer - Active) | SAHO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Industrial (Sewer - Passive) | SPIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Public Authority (School) (Sewer | SAOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Public Authority (School) (Sewer | SPOP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Golf Course (Sewer - Active) | SAGO | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Reserved | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Reserved | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Reserved | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. | TOTAL | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| References: Line 17 is total consumption TBL 3.11 divided by average customers TBL 3.45 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC

Filing: Final

AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)

CALCULATION OF PERCENT CHANGE IN ANNUAL CONSUMPTION PER CUSTOMER

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|------------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Sewer Customers: | | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Residential & Small Commercial | SARC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Residential & Small Commercial | SPRC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Mobile Home Residential (Sewer) | SPMH | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6. | Recreational Vehicle (Sewer) | SPRV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Commercial (Sewer - Active) | SACO | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8. | Small Commercial (Sewer - Active) | SASC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Large Commercial (Sewer - Passive) | SPLC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Commercial (Sewer) | SCOM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Hotel (Sewer - Active) | SAHO | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Industrial (Sewer - Passive) | SPIN | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Public Authority (School) (Sewer) | SAOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Public Authority (School) (Sewer) | SPOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Golf Course (Sewer - Active) | SAGO | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Miscellaneous (Sewer - Active) | SMIS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | SPCA Contract (Sewer - Active) | SASP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|-----------------------------------|-------|----------------|------|------|------|------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Sewer Customers: | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 0 | 0 | 0 | 0 | 0 |
| 3. | Residential & Small Commercial | SARC | 0 | 0 | 0 | 0 | 0 |
| 4. | Residential & Small Commercial | SPRC | 0 | 0 | 0 | 0 | 0 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 0 | 0 | 0 | 0 | 0 |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Pass) | SPLC | 0 | 0 | 0 | 0 | 0 |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 0 | 0 | 0 | 0 | 0 |
| 12. | Industrial (Sewer - Passive) | SPIN | 0 | 0 | 0 | 0 | 0 |
| 13. | Public Authority (School) (Sewer) | SAOP | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer) | SPOP | 0 | 0 | 0 | 0 | 0 |
| 15. | Golf Course (Sewer - Active) | SAGO | 0 | 0 | 0 | 0 | 0 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year 2018 | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 | Escalation Year 2023 |
|---|------------------------------------|-------|--------------------------------|----------------|----------------|-------------------------|----------------------|----------------------|
| 1. | Sewer Customers: | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Residential & Small Commercial | SARC | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Residential & Small Commercial | SPRC | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Industrial (Sewer - Passive) | SPIN | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Public Authority (School) (Sewer) | SAOP | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer) | SPOP | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Golf Course (Sewer - Active) | SAGO | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 0 | 0 | 0 | 0 | 0 | 0 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

CALIFORNIA AMERICAN WATER

Monterey Wastewater - 2019 GRC

TOTAL ANNUAL CONSUMPTION (CCF)

CALCULATION OF PERCENT CHANGE IN TOTAL ANNUAL CONSUMPTION

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|--|----------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Sewer Customers: | | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Residential & Small Commercial | SARC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Residential & Small Commercial | SPRC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Mobile Home Residential (Sewer) | SPMH | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6. | Recreational Vehicle (Sewer) | SPRV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Commercial (Sewer - Active) | SACO | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8. | Small Commercial (Sewer - Activ | SASC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Large Commercial (Sewer - Pass | SPLC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Commercial (Sewer) | SCOM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Hotel (Sewer - Active) | SAHO | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Industrial (Sewer - Passive) | SPIN | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Public Authority (School) (Sewer | SAOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Public Authority (School) (Sewer | SPOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Golf Course (Sewer - Active) | SAGO | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Miscellaneous (Sewer - Active) | SMIS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | SPCA Contract (Sewer - Active) | SASP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Reserved | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Sub-Total | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
WATER PRODUCTION (KCCF)
RECORDED

Filing: Final

| Line No. | Description | RECORDED YEARS | | | | |
|---|--------------------------------|----------------|------|------|------|------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Sales | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Non Revenue | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Total Water Requirement | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | Non Revenue Water % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 7. | Equivalent Acre Feet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Total Water Requirement in CCF | 0 | 0 | 0 | 0 | 0 |
| References: Line 1 Metered sales per Table 3.10 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is line 5 less line 3 Line 5 is per MDR IIE.2 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
WATER PRODUCTION (KCCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|--|--------------------------------|---------------------------|----------------|----------------|--------------------|-----------------|
| | | | | | | |
| 1. | Metered Sales | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Non Revenue | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Total Water Requirement | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | Non Revenue Water % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 7. | Equivalent Acre Feet | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Total Water Requirement in CCF | 0 | 0 | 0 | 0 | 0 |
| References: Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert to CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
WATER PRODUCTION (KCCF)

Filing: **Final**

CALCULATION OF PERCENT CHANGE IN WATER PRODUCTION

| Line No. | Description | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|--------------------------------|----------------|------|------|------|------|---------------------------|--------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Sales | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2. | Other Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Total Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Non Revenue | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Total Water Requirement | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6. | Non Revenue Water % | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Equivalent Acre Feet | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8. | Total Water Requirement in CCF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| References: Recorded year % calculated by dividing current year data by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr data point by last authorized level and subtracting 1. Proposed test year % calculated by dividing the test year data point by the prior year estimated level and subtracting 1. | | | | | | | | |

California American Water
Monterey Wastewater - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|---------------------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 1. | Sewer Customers | | | | | |
| 2. | Residential (Sewer - Active) | SARE | \$1,909,027 | \$2,214,466 | \$305,439 | 16.00% |
| 3. | Residential & Small Commercial (Sev | SARC | 607,417 | 704,603 | 97,186 | 16.00% |
| 4. | Residential & Small Commercial (Sev | SPRC | 481,449 | 558,480 | 77,031 | 16.00% |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0.00% |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0.00% |
| 7. | Commercial (Sewer - Active) | SACO | 29,415 | 34,122 | 4,707 | 16.00% |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0.00% |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 35,660 | 41,365 | 5,705 | 16.00% |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0.00% |
| 11. | Hotel (Sewer - Active) | SAHO | 211,798 | 245,685 | 33,887 | 16.00% |
| 12. | Industrial (Sewer - Passive) | SPIN | 15,849 | 18,384 | 2,535 | 15.99% |
| 13. | Public Authority (School) (Sewer - Ac | SAOP | 0 | 0 | 0 | 0.00% |
| 14. | Public Authority (School) (Sewer - Pa | SPOP | 2,971 | 3,447 | 476 | 16.02% |
| 15. | Golf Course (Sewer - Active) | SAGO | 5,883 | 6,825 | 942 | 16.01% |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0.00% |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 3,299,469 | 3,827,377 | 527,908 | 16.00% |

California American Water
Monterey Wastewater - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 20. | Other Sewer Customers | | | | | |
| 21. | | 0 0 | 0 | 0 | 0 | 0.00% |
| 22. | | 0 0 | 0 | 0 | 0 | 0.00% |
| 23. | | 0 0 | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 3,299,469 | 3,827,377 | 527,908 | 16.00% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 0 | 0 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 31. | Misc Service Revenues | MISC | 24,002 | 24,002 | 0 | 0.00% |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 33. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 36. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 37. | Subtotal Other Revenues | | 24,002 | 24,002 | 0 | 0.00% |
| 38. | | | | | | |

California American Water
Monterey Wastewater - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|----------------|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0.00% |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$3,323,471 | \$3,851,379 | \$527,908 | 15.88% |
| 49. | Revenues per Avg Customer | | \$1,334 | \$1,545 | \$212 | 15.88% |

California American Water
Monterey Wastewater - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|---------------------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 1. | Sewer Customers | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 2,214,466 | 2,283,683 | 69,217 | 3.13% |
| 3. | Residential & Small Commercial (Sev | SARC | 704,603 | 726,627 | 22,024 | 3.13% |
| 4. | Residential & Small Commercial (Sev | SPRC | 558,480 | 575,937 | 17,457 | 3.13% |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0.00% |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0.00% |
| 7. | Commercial (Sewer - Active) | SACO | 34,122 | 35,188 | 1,066 | 3.12% |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0.00% |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 41,365 | 42,658 | 1,293 | 3.13% |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0.00% |
| 11. | Hotel (Sewer - Active) | SAHO | 245,685 | 253,365 | 7,680 | 3.13% |
| 12. | Industrial (Sewer - Passive) | SPIN | 18,384 | 18,959 | 575 | 3.13% |
| 13. | Public Authority (School) (Sewer - Ac | SAOP | 0 | 0 | 0 | 0.00% |
| 14. | Public Authority (School) (Sewer - Pa | SPOP | 3,447 | 3,554 | 107 | 3.10% |
| 15. | Golf Course (Sewer - Active) | SAGO | 6,825 | 7,038 | 213 | 3.12% |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0.00% |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 3,827,377 | 3,947,009 | 119,632 | |

California American Water
Monterey Wastewater - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 20. | Other Sewer Customers | | | | | |
| 21. | | 0 0 | 0 | 0 | 0 | 0.00% |
| 22. | | 0 0 | 0 | 0 | 0 | 0.00% |
| 23. | | 0 0 | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 3,827,377 | 3,947,009 | 119,632 | 3.13% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 0 | 0 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 31. | Misc Service Revenues | MISC | 24,002 | 7,047 | (16,955) | -70.64% |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 33. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 36. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 37. | Subtotal Other Revenues | | 24,002 | 7,047 | (16,955) | -70.64% |

California American Water
Monterey Wastewater - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|---|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| 39. | ESCALATION 2022 | | | | | |
| 40. | Reserved Future Use | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | | | | |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$3,851,379 | \$3,954,056 | \$102,677 | 2.67% |
| 49. | Revenues per Avg Customer | | \$1,545 | \$1,587 | \$41 | 2.67% |
| References: Table 3.18 for revenues @ present rates | | | | | | |
| Table 3.21 for revenues @ proposed rates | | | | | | |

California American Water
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$) **RECORDED**

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|----------------------------------|-------|----------------|-------------|-------------|-------------|-------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Sewer Customers | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | \$1,938,661 | \$1,871,914 | \$1,900,833 | \$1,819,151 | \$1,837,405 |
| 3. | Residential & Small Commercial | SARC | 641,383 | 624,142 | 619,313 | 598,608 | 603,819 |
| 4. | Residential & Small Commercial | SPRC | 500,387 | 418,097 | 479,239 | 462,646 | 462,505 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 48,270 | 71,627 | 79,057 | 76,772 | 77,934 |
| 8. | Small Commercial (Sewer - Activ | SASC | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Passi | SPLC | 18,805 | 9,484 | 20,044 | 57,546 | 80,034 |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 232,742 | 211,026 | 207,097 | 201,013 | 203,829 |
| 12. | Industrial (Sewer - Passive) | SPIN | 15,974 | 13,074 | 15,504 | 14,419 | 15,278 |
| 13. | Public Authority (School) (Sewer | SAOP | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer | SPOP | 9,480 | 10,361 | 10,097 | 9,406 | 9,941 |
| 15. | Golf Course (Sewer - Active) | SAGO | 0 | 0 | 1,438 | 1,396 | 1,415 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 3,405,703 | 3,229,724 | 3,332,621 | 3,240,956 | 3,292,161 |

California American Water
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|-----------------------------|-------|----------------|-----------|-----------|-----------|-----------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 20. | Other Sewer Customers | | | | | | |
| 21. | | 0 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | | 0 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | | 0 0 | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 3,405,703 | 3,229,724 | 3,332,621 | 3,240,956 | 3,292,161 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 0 | 0 | 0 | 0 | 0 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 120 | 7,047 | 29,445 | 27,168 | 56,230 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 120 | 7,047 | 29,445 | 27,168 | 56,230 |

California American Water
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-------------|---------------------------|-------|--|-------------|-------------|-------------|-------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$3,405,823 | \$3,236,771 | \$3,362,066 | \$3,268,124 | \$3,348,391 |
| 49. | Revenues per Avg Customer | | \$1,347 | \$1,286 | \$1,326 | \$1,295 | \$1,336 |
| References: | | | Line 41 is sum of lines 32 and 40 | | | | |
| | | | Line 42 is sum of lines 20 and 41 | | | | |
| | | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |

California American Water
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$) **Filing: Final**
AUTHORIZED AND PROPOSED

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | Escalation Year |
|-----------------|---|-------|---------------------------|-----------|-----------|--------------------|-----------------|
| | | | | 2018 | 2019 | | |
| Sewer Customers | | | | | | | |
| 1. | Residential (Sewer - Active) | SARE | 0 | 1,909,027 | 1,909,027 | 1,909,027 | 2,214,466 |
| 2. | Residential & Small Commercial (Sewer - Active) | SARC | 2,509,058 | 607,417 | 607,417 | 607,417 | 704,603 |
| 3. | Residential & Small Commercial (Sewer - Active) | SPRC | 0 | 481,449 | 481,449 | 481,449 | 558,480 |
| 4. | Mobile Home Residential (Sewer - Active) | SPMH | 511,050 | 0 | 0 | 0 | 0 |
| 5. | Recreational Vehicle (Sewer - Active) | SPRV | 0 | 0 | 0 | 0 | 0 |
| 6. | Commercial (Sewer - Active) | SACO | 0 | 29,415 | 29,415 | 29,415 | 34,122 |
| 7. | Small Commercial (Sewer - Active) | SASC | 20,142 | 0 | 0 | 0 | 0 |
| 8. | Large Commercial (Sewer - Passive) | SPLC | 0 | 35,660 | 35,660 | 35,660 | 41,365 |
| 9. | Commercial (Sewer) | SCOM | 38,758 | 0 | 0 | 0 | 0 |
| 10. | Hotel (Sewer - Active) | SAHO | 0 | 211,798 | 211,798 | 211,798 | 245,685 |
| 11. | Industrial (Sewer - Passive) | SPIN | 207,188 | 15,849 | 0 | 15,849 | 18,384 |
| 12. | Public Authority (School) (Sewer - Active) | SAOP | 7,752 | 0 | 0 | 0 | 0 |
| 13. | Public Authority (School) (Sewer - Passive) | SPOP | 7,194 | 2,971 | 2,971 | 2,971 | 3,447 |
| 14. | Golf Course (Sewer - Active) | SAGO | 8,633 | 5,883 | 5,883 | 5,883 | 6,825 |
| 15. | Miscellaneous (Sewer - Active) | SMIS | 5,755 | 0 | 0 | 0 | 0 |
| 16. | SPCA Contract (Sewer - Active) | SASP | 2,907 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 3,318,437 | 3,299,469 | 3,283,620 | 3,299,469 | 3,827,377 |

California American Water
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-----------------------|----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|
| | | | | 2019 | 2020 | | |
| Other Sewer Customers | | | | | | | |
| 20. | | | | | | | |
| 21. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 3,318,437 | 3,299,469 | 3,283,620 | 3,299,469 | 3,827,377 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 0 | 0 | 0 | 0 | 0 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 0 | 24,002 | 24,002 | 24,002 | 24,002 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 0 | 24,002 | 24,002 | 24,002 | 24,002 |

California American Water
Monterey Wastewater - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|-------------|-------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Reserved Future Use | | | | | | | |
| 39. | | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| Reserved Future Use | | | | | | | |
| | | | | | | | |
| 48. | Total Operating Revenues | | \$3,318,437 | \$3,323,471 | \$3,307,622 | \$3,323,471 | \$3,851,379 |
| 49. | Revenues per Avg Customer | | \$1,282 | \$1,334 | \$1,327 | \$1,334 | \$1,545 |
| | | | | | | | |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water
Monterey Wastewater - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Sewer Customers | | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | N/A | -3% | 2% | -4% | 1% | 4% | 0% |
| 3. | Residential & Small Commercial (Se | SARC | N/A | -3% | -1% | -3% | 1% | 1% | 0% |
| 4. | Residential & Small Commercial (Se | SPRC | N/A | -16% | 15% | -3% | 0% | 4% | 0% |
| 5. | Mobile Home Residential (Sewer) | SPMH | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6. | Recreational Vehicle (Sewer) | SPRV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Commercial (Sewer - Active) | SACO | N/A | 48% | 10% | -3% | 2% | -62% | 0% |
| 8. | Small Commercial (Sewer - Active) | SASC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Large Commercial (Sewer - Passive) | SPLC | N/A | -50% | 111% | 187% | 39% | -55% | 0% |
| 10. | Commercial (Sewer) | SCOM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Hotel (Sewer - Active) | SAHO | N/A | -9% | -2% | -3% | 1% | 4% | 0% |
| 12. | Industrial (Sewer - Passive) | SPIN | N/A | -18% | 19% | -7% | 6% | 4% | -100% |
| 13. | Public Authority (School) (Sewer - A | SAOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Public Authority (School) (Sewer - P | SPOP | N/A | 9% | -3% | -7% | 6% | -70% | 0% |
| 15. | Golf Course (Sewer - Active) | SAGO | N/A | N/A | N/A | -3% | 1% | 316% | 0% |
| 16. | Miscellaneous (Sewer - Active) | SMIS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | SPCA Contract (Sewer - Active) | SASP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -5% | 3% | -3% | 2% | 0% | 0% |

California American Water
Monterey Wastewater - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|-----------------------|----------------------------|-------|----------------|------|-------|------|------|---------------------------|--------------------|-----|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| Other Sewer Customers | | | | | | | | | | |
| 20. | | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | 0 | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Total Water Revenues | | | | | | | | | | |
| 26. | | | | N/A | -5% | 3% | -3% | 2% | 0% | 0% |
| Other Revenues | | | | | | | | | | |
| 27. | Method 5 Revenues | METH | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 28. | Contract Revenues | CREV | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 29. | Antenna Leases | ANTL | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Additional NTPS Rev | NTPS | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Misc Service Revenues | MISC | | N/A | 5772% | 318% | -8% | 107% | -57% | 0% |
| 32. | Late Payment Penalty | LATE | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 33. | Rents | RENT | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Leak Adjustments | LEAK | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | DSIC | DSIC | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | Other | OTER | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | | | | N/A | 5772% | 318% | -8% | 107% | -57% | 0% |
| 38. | Subtotal Other Revenues | | | N/A | 5772% | 318% | -8% | 107% | -57% | 0% |

California American Water
Monterey Wastewater - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -5% | 4% | -3% | 2% | -1% | 0% |
| 49. | Revenues per Avg Customer | | N/A | -5% | 3% | -2% | 3% | 0% | 0% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: **Final**

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---|-------|----------------|-----------|-----------|-----------|-----------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Sewer Customers | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | 1,938,661 | 1,871,914 | 1,900,833 | 1,819,151 | 1,837,405 |
| 3. | Residential & Small Commercial (Sewer - Active) | SARC | 641,383 | 624,142 | 619,313 | 598,608 | 603,819 |
| 4. | Residential & Small Commercial (Sewer - Active) | SPRC | 500,387 | 418,097 | 479,239 | 462,646 | 462,505 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 48,270 | 71,627 | 79,057 | 76,772 | 77,934 |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 18,805 | 9,484 | 20,044 | 57,546 | 80,034 |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 232,742 | 211,026 | 207,097 | 201,013 | 203,829 |
| 12. | Industrial (Sewer - Passive) | SPIN | 15,974 | 13,074 | 15,504 | 14,419 | 15,278 |
| 13. | Public Authority (School) (Sewer - Active) | SAOP | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer - Passive) | SPOP | 9,480 | 10,361 | 10,097 | 9,406 | 9,941 |
| 15. | Golf Course (Sewer - Active) | SAGO | 0 | 0 | 1,438 | 1,396 | 1,415 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 3,405,703 | 3,229,724 | 3,332,621 | 3,240,956 | 3,292,161 |

CALIFORNIA AMERICAN WATER

Monterey Wastewater - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|-----------|-----------|-----------|-----------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Other Sewer Customers | | | | | | | |
| 20. | | | | | | | |
| 21. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| Total Water Revenues | | | | | | | |
| 26. | | | 3,405,703 | 3,229,724 | 3,332,621 | 3,240,956 | 3,292,161 |
| Other Revenues | | | | | | | |
| 27. | | | | | | | |
| 28. | Method 5 Revenues | METH | 0 | 0 | 0 | 0 | 0 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 120 | 7,047 | 29,445 | 27,168 | 56,230 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 120 | 7,047 | 29,445 | 27,168 | 56,230 |

CALIFORNIA AMERICAN WATER

Monterey Wastewater - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|------------------------------------|----------------------------|-------|--|-------------|-------------|-------------|-------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$3,405,823 | \$3,236,771 | \$3,362,066 | \$3,268,124 | \$3,348,391 |
| 49. | Revenues per Avg Customer | | \$1,347 | \$1,286 | \$1,326 | \$1,295 | \$1,336 |
| References: | | | | | | | |
| Line 13 is sum of lines 2 thru 12 | | | Line 41 is sum of lines 32 and 40 | | | | |
| Line 19 is sum of lines 15 thru 18 | | | Line 42 is sum of lines 20 and 41 | | | | |
| Line 32 is sum of lines 22 thru 31 | | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Estimated | | Proposed Test Year | | Escalation Year | |
|-----------------|---|-------|---------------------------|-----------|-----------|-----------|--------------------|--|-----------------|--|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | | | |
| Sewer Customers | | | | | | | | | | |
| 1. | Residential (Sewer - Active) | SARE | 0 | 1,909,027 | 1,909,027 | 2,214,466 | 2,283,683 | | | |
| 2. | Residential & Small Commercial (Sewer - Active) | SARC | 2,538,984 | 607,417 | 607,417 | 704,603 | 726,627 | | | |
| 3. | Residential & Small Commercial (Sewer - Active) | SPRC | 0 | 481,449 | 481,449 | 558,480 | 575,937 | | | |
| 4. | Mobile Home Residential (Sewer) | SPMH | 549,812 | 0 | 0 | 0 | 0 | | | |
| 5. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 | | | |
| 6. | Commercial (Sewer - Active) | SACO | 0 | 29,415 | 29,415 | 34,122 | 35,188 | | | |
| 7. | Small Commercial (Sewer - Active) | SASC | 20,382 | 0 | 0 | 0 | 0 | | | |
| 8. | Large Commercial (Sewer - Passive) | SPLC | 0 | 35,660 | 35,660 | 41,365 | 42,658 | | | |
| 9. | Commercial (Sewer) | SCOM | 39,222 | 0 | 0 | 0 | 0 | | | |
| 10. | Hotel (Sewer - Active) | SAHO | 0 | 211,798 | 211,798 | 245,685 | 253,365 | | | |
| 11. | Industrial (Sewer - Passive) | SPIN | 209,653 | 15,849 | 0 | 18,384 | 18,959 | | | |
| 12. | Public Authority (School) (Sewer - Active) | SAOP | 7,844 | 0 | 0 | 0 | 0 | | | |
| 13. | Public Authority (School) (Sewer - Passive) | SPOP | 7,279 | 2,971 | 2,971 | 3,447 | 3,554 | | | |
| 14. | Golf Course (Sewer - Active) | SAGO | 8,736 | 5,883 | 5,883 | 6,825 | 7,038 | | | |
| 15. | Miscellaneous (Sewer - Active) | SMIS | 5,824 | 0 | 0 | 0 | 0 | | | |
| 16. | SPCA Contract (Sewer - Active) | SASP | 2,941 | 0 | 0 | 0 | 0 | | | |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 | | | |
| 18. | Total Metered Revenues | | 3,390,677 | 3,299,469 | 3,283,620 | 3,827,377 | 3,947,009 | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | Escalation Year |
|----------|----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|
| | | | | 2018 | 2019 | | |
| 20. | Other Sewer Customers | | 0 | | | | |
| 21. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | | 0 | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 3,390,677 | 3,299,469 | 3,283,620 | 3,827,377 | 3,947,009 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 0 | 0 | 0 | 0 | 0 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 0 | 24,002 | 24,002 | 7,047 | 7,047 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 0 | 24,002 | 24,002 | 7,047 | 7,047 |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-------------|------------------------------------|-------|--|-------------|-------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| 47. | Reserved Future Use | | | | | | |
| | | | | | | | |
| 48. | Total Operating Revenues | | \$3,390,677 | \$3,323,471 | \$3,307,622 | \$3,834,424 | \$3,954,056 |
| 49. | Revenues per Avg Customer | | \$1,310 | \$1,334 | \$1,327 | \$1,539 | \$1,587 |
| | | | | | | | |
| References: | Line 13 is sum of lines 2 thru 12 | | Line 41 is sum of lines 32 and 40 | | | | |
| | Line 19 is sum of lines 15 thru 18 | | Line 42 is sum of lines 20 and 41 | | | | |
| | Line 32 is sum of lines 22 thru 31 | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |
| | Line 40 is sum of lines 34 and 39 | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC

Filing: 0

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Sewer Customers | | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | N/A | -3% | 2% | -4% | 1% | -16% | 16% |
| 3. | Residential & Small Commercial (Se | SARC | N/A | -3% | -1% | -3% | 1% | -16% | 16% |
| 4. | Residential & Small Commercial (Se | SPRC | N/A | -16% | 15% | -3% | 0% | -16% | 16% |
| 5. | Mobile Home Residential (Sewer) | SPMH | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6. | Recreational Vehicle (Sewer) | SPRV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Commercial (Sewer - Active) | SACO | N/A | 48% | 10% | -3% | 2% | -16% | 16% |
| 8. | Small Commercial (Sewer - Active) | SASC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Large Commercial (Sewer - Passive) | SPLC | N/A | -50% | 111% | 187% | 39% | -16% | 16% |
| 10. | Commercial (Sewer) | SCOM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Hotel (Sewer - Active) | SAHO | N/A | -9% | -2% | -3% | 1% | -16% | 16% |
| 12. | Industrial (Sewer - Passive) | SPIN | N/A | -18% | 19% | -7% | 6% | -16% | N/A |
| 13. | Public Authority (School) (Sewer - A | SAOP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Public Authority (School) (Sewer - P | SPOP | N/A | 9% | -3% | -7% | 6% | -16% | 16% |
| 15. | Golf Course (Sewer - Active) | SAGO | N/A | N/A | N/A | -3% | 1% | -16% | 16% |
| 16. | Miscellaneous (Sewer - Active) | SMIS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | SPCA Contract (Sewer - Active) | SASP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -5% | 3% | -3% | 2% | -16% | 17% |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC

Filing: 0

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|-----------------------------------|-------|----------------|-------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 20. | Other Sewer Customers | | | | | | | | |
| 21. | | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | 0 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -5% | 3% | -3% | 2% | -16% | 17% |
| 27. | Other Revenues | | | | | | | | |
| 28. | Method 5 Revenues | METH | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 29. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Antenna Leases | ANTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32. | Misc Service Revenues | MISC | N/A | 5772% | 318% | -8% | 107% | 241% | -71% |
| 33. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 5772% | 318% | -8% | 107% | 241% | -71% |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC

Filing: 0

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|--|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -5% | 4% | -3% | 2% | -16% | 16% |
| 49. | Revenues per Avg Customer | | N/A | -5% | 3% | -2% | 3% | -16% | 16% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Monterey Wastewater - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|------------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Sewer Customers: | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | \$1,482 | \$1,440 | \$1,447 | \$1,392 | \$1,412 |
| 3. | Residential & Small Commercial | SARC | 1,492 | 1,455 | 1,447 | 1,412 | 1,445 |
| 4. | Residential & Small Commercial | SPRC | 677 | 569 | 646 | 624 | 630 |
| 5. | Mobile Home Residential (Sewer) | SPMH | 0 | 0 | 0 | 0 | 0 |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 |
| 7. | Commercial (Sewer - Active) | SACO | 3,218 | 4,775 | 4,941 | 4,798 | 4,871 |
| 8. | Small Commercial (Sewer - Active) | SASC | 0 | 0 | 0 | 0 | 0 |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 672 | 327 | 802 | 2,502 | 2,964 |
| 10. | Commercial (Sewer) | SCOM | 0 | 0 | 0 | 0 | 0 |
| 11. | Hotel (Sewer - Active) | SAHO | 232,742 | 211,026 | 207,097 | 201,013 | 203,829 |
| 12. | Industrial (Sewer - Passive) | SPIN | 7,987 | 6,537 | 3,101 | 2,403 | 3,819 |
| 13. | Public Authority (School) (Sewer) | SAOP | 0 | 0 | 0 | 0 | 0 |
| 14. | Public Authority (School) (Sewer) | SPOP | 2,370 | 2,590 | 2,524 | 2,351 | 2,485 |
| 15. | Golf Course (Sewer - Active) | SAGO | 0 | 0 | 1,438 | 1,396 | 1,415 |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 0 | 0 | 0 | 0 | 0 |
| 17. | SPCA Contract (Sewer - Active) | SASP | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | \$1,347 | \$1,284 | \$1,314 | \$1,285 | \$1,314 |

CALIFORNIA AMERICAN WATER
 Monterey Wastewater - 2019 GRC
 OPERATING REVENUES PER CUSTOMER (\$)

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Present Rate Proposed Test Year | | Proposed Rate Proposed Test Year | |
|----------|--|-------|---------------------------|---------|---------------------------------|---------|----------------------------------|------|
| | | | 2018 | 2021 | 2021 | 2021 | 2021 | 2021 |
| 1. | Sewer Customers: | | | | | | | |
| 2. | Residential (Sewer - Active) | SARE | \$0 | \$1,471 | \$1,471 | \$1,706 | \$1,706 | |
| 3. | Residential & Small Commercial (Sewer - Active) | SARC | 1,456 | 1,471 | 1,471 | 1,706 | 1,706 | |
| 4. | Residential & Small Commercial (Sewer - Passive) | SPRC | 0 | 660 | 660 | 766 | 766 | |
| 5. | Mobile Home Residential (Sewer) | SPMH | 695 | 0 | 0 | 0 | 0 | |
| 6. | Recreational Vehicle (Sewer) | SPRV | 0 | 0 | 0 | 0 | 0 | |
| 7. | Commercial (Sewer - Active) | SACO | 0 | 1,961 | 1,961 | 2,275 | 2,275 | |
| 8. | Small Commercial (Sewer - Active) | SASC | 1,456 | 0 | 0 | 0 | 0 | |
| 9. | Large Commercial (Sewer - Passive) | SPLC | 0 | 1,321 | 1,321 | 1,532 | 1,532 | |
| 10. | Commercial (Sewer) | SCOM | 1,307 | 0 | 0 | 0 | 0 | |
| 11. | Hotel (Sewer - Active) | SAHO | 0 | 211,798 | 211,798 | 245,685 | 245,685 | |
| 12. | Industrial (Sewer - Passive) | SPIN | 209,653 | 3,962 | 3,962 | 4,596 | 4,596 | |
| 13. | Public Authority (School) (Sewer - Active) | SAOP | 3,922 | 0 | 0 | 0 | 0 | |
| 14. | Public Authority (School) (Sewer - Passive) | SPOP | 7,279 | 743 | 743 | 862 | 862 | |
| 15. | Golf Course (Sewer - Active) | SAGO | 8,736 | 5,883 | 5,883 | 6,825 | 6,825 | |
| 16. | Miscellaneous (Sewer - Active) | SMIS | 5,824 | 0 | 0 | 0 | 0 | |
| 17. | SPCA Contract (Sewer - Active) | SASP | 980 | 0 | 0 | 0 | 0 | |
| 18. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | |
| 20. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | |
| 21. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | |
| 22. | Reserved | 0 | 0 | 0 | 0 | 0 | 0 | |
| 23. | TOTAL | | \$1,310 | \$1,324 | \$1,324 | \$1,536 | \$1,536 | |

**CALIFORNIA AMERICAN WATER
MONTEREY WASTEWATER
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020, and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are submitted as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2016 reflect salary information as of April 2019.

Non-union Employee Salaries

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Union Employee Salaries Inflation

| District | 2019 | 2020 | 2021 | 2022 |
|-----------------|-------------|-------------|-------------|-------------|
| Monterey WW | N/A | 2.50% | 2.50% | 2.50% |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every effort was made to identify and remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

**CALIFORNIA AMERICAN WATER
MONTEREY WASTEWATER
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the Monterey Wastewater include the following factors and assumptions:

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Operations and Maintenance Expenses

Source of Supply: Not Applicable

Pumping: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Power: Calculated based on a 5-year inflation adjusted average

Water Treatment: Expenses are forecasted based on the standard methodology outlined above.

Transmission & Distribution: Expenses are forecasted based on the standard methodology outlined above.

Customer Accounts: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Adjustment for overflow customer calls to the Customer Service Center.
- Uncollectibles expense forecasted based on 5-year average of the annual uncollectible rate applied to forecasted revenues.

Administrative & General Expenses

Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

**CALIFORNIA AMERICAN WATER
MONTEREY WASTEWATER
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as well as fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

General Office

General Office and Service Company costs are allocated to each district based upon customer count.

Utility Plant Acquisition Adjustment

The revenue requirement related to the Utility Plant Acquisition Adjustment for the Fruitridge, Rio Plaza, Hillview and Bellflower acquisitions is allocated to each district based upon customer count.

Table Overview

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocated General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

Table 4.6a and Table 4.6b show recorded, forecasted, and last authorized Test Year O&M Expenses per customer.

Table 4.5b, Table 4.7, and Table 4.8 show Percent Change of recorded, forecasted, and last authorized Test Year O&M Expenses, A&G expenses, and Payroll expenses.

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Summary Description | Recorded Years | | | | |
|----------|---|----------------|---------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | 987.4 | 961.3 | 995.7 | 938.6 | 1,057.4 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Purchased Power | 213.9 | 109.6 | 198.8 | 196.2 | 214.5 |
| 4. | Chemicals | 242.5 | 268.4 | 273.7 | 274.1 | 261.8 |
| 5. | Operation Expense | 254.1 | 251.1 | 336.1 | 351.0 | 285.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 101.2 | 184.4 | 282.7 | 183.4 | 166.6 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Customer Accounting | 33.9 | 33.1 | 41.6 | 34.5 | 34.9 |
| 9. | Uncollectible Expense | 16.6 | 10.3 | 15.0 | 16.0 | 15.3 |
| 10. | Insurance | 44.2 | 57.3 | 45.6 | 35.8 | 42.9 |
| 11. | Pensions and Benefits | 263.3 | 194.6 | 294.5 | 286.0 | 205.0 |
| 12. | Regulatory Expenses | 22.5 | 6.7 | 11.2 | 21.6 | 4.3 |
| 13. | Rents | 10.2 | 10.4 | 90.6 | 6.2 | 15.7 |
| 14. | Other Administrative & General | 614.0 | 297.5 | 153.2 | 146.9 | 80.5 |
| 15. | Service Company Costs | 185.6 | 187.5 | 188.9 | 167.3 | 166.1 |
| 16. | Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | General Office Return on Rate Base | 22.9 | 27.1 | 30.1 | 25.8 | 29.2 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Total Operating Expenses | 3,012.4 | 2,599.2 | 2,957.8 | 2,683.5 | 2,579.2 |
| 23. | Operating Expense per customer ⁽²⁾ | 1,209.8 | 1,024.1 | 1,171.4 | 1,067.0 | 1,035.0 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC

Filing: Final

SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Summary Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|---------|---------------------|-----------------|---------------------------|-------------------|
| | | 2019 | 2020 | | | | |
| 1. | Labor | 1,145.1 | 1,174.5 | 1,204.7 | 1,235.6 | 993.3 | Exh A Ch4 Tbl 4.2 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.3 |
| 3. | Purchased Power | 189.7 | 192.5 | 196.1 | 200.4 | 137.2 | Exh A Ch4 Tbl 4.3 |
| 4. | Chemicals | 268.5 | 272.5 | 277.5 | 283.6 | 249.9 | Exh A Ch4 Tbl 4.3 |
| 5. | Operation Expense | 300.4 | 304.9 | 311.1 | 317.9 | 274.1 | Exh A Ch4 Tbl 4.3 |
| 6. | Maintenance (excluding Amort Tank Painting) | 189.6 | 192.5 | 196.0 | 200.3 | 148.3 | Exh A Ch4 Tbl 4.4 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 8. | Customer Accounting | 34.9 | 35.4 | 36.0 | 36.8 | 33.0 | Exh A Ch4 Tbl 4.3 |
| 9. | Uncollectible Expense | 14.8 | 14.7 | 14.8 | 17.2 | 17.1 | Exh A Ch4 Tbl 4.3 |
| 10. | Insurance | 47.2 | 48.6 | 66.2 | 67.3 | 43.3 | Exh A Ch4 Tbl 4.5 |
| 11. | Pensions and Benefits | 281.3 | 312.8 | 317.6 | 330.1 | 258.6 | Exh A Ch4 Tbl 4.5 |
| 12. | Regulatory Expenses | 18.8 | 18.8 | 6.8 | 27.3 | 15.4 | Exh A Ch4 Tbl 4.5 |
| 13. | Rents | 25.4 | 25.9 | 31.4 | 29.3 | 9.4 | Exh A Ch4 Tbl 4.5 |
| 14. | Other Administrative & General | 301.1 | 342.8 | 310.5 | 288.4 | 340.3 | Exh A Ch4 Tbl 4.5 |
| 15. | Service Company Costs | 147.9 | 149.7 | 152.4 | 155.8 | 162.6 | Service Co RO |
| 16. | Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | WP Citizens Acq |
| 17. | General Office Return on Rate Base | 27.0 | 35.4 | 41.0 | 42.3 | 33.7 | CH09 RO |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CH02 RO |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CH02 RO |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Total Operating Expenses | 2,991.7 | 3,121.1 | 3,162.1 | 3,232.3 | 2,716.1 | |
| 23. | Operating Expense per customer ⁽²⁾ | 1,200.5 | 1,252.5 | 1,268.9 | 1,297.1 | 1,029.6 | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC

Filing: Final

PAYROLL EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|---------|---------|--------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Salaries | 873.4 | 908.7 | 943.1 | 878.4 | 993.9 |
| 2. | Overtime | 158.6 | 96.2 | 100.1 | 109.3 | 111.1 |
| 3. | Total Salaries | 1,032.1 | 1,004.9 | 1,043.2 | 987.6 | 1,105.0 |
| 4. | Capitalized Payroll | (44.7) | (43.6) | (47.5) | (49.0) | (47.6) |
| 5. | Total Net Payroll | 987.4 | 961.3 | 995.7 | 938.6 | 1,057.4 |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 414.5 | 395.9 | 413.1 | 392.7 | 443.4 |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 4.0 | 4.0 | 4.0 | 4.0 | 4.5 |
| 12. | | | | | | |
| 13. | Number of employees | 10.0 | 10.0 | 10.0 | 10.1 | 11.1 |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Year Customers (1,000's) | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|---------|---------------------|---------|-----------------|---------------------------|--------------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| 1. | Salaries | 1,100.7 | 1,129.2 | 1,158.5 | 1,188.4 | | 905.6 | RO Labor |
| 2. | Overtime | 89.3 | 91.5 | 93.7 | 96.0 | | 139.0 | RO Labor |
| 3. | Total Salaries | 1,189.9 | 1,220.7 | 1,252.2 | 1,284.5 | | 1,044.6 | Ln1 + Ln2 |
| 4. | Capitalized Payroll | (44.9) | (46.1) | (47.5) | (48.9) | | (51.3) | RO Labor |
| 5. | Total Net Payroll | 1,145.1 | 1,174.5 | 1,204.7 | 1,235.6 | | 993.3 | Ln3 + Ln4 |
| 6. | | | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 477.5 | 489.8 | 502.5 | 515.4 | | 396.0 | Ln3 / Ln18 |
| 8. | | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | | |
| 10. | | | | | | | | |
| 11. | # of employees per thousand customers | 4.4 | 4.4 | 4.4 | 4.4 | | 3.8 | Ln13 / Ln18 |
| 12. | | | | | | | | |
| 13. | Number of employees | 11.0 | 11.0 | 11.0 | 11.0 | | 10.1 | WP O&M-RO |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | | |
| 17. | | | | | | | | |
| 18. | End of Year Customers (1,000's) | 2.5 | 2.5 | 2.5 | 2.5 | | 2.6 | ExhA Tbl 3.1 / 3.2 |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
SUMMARY OF OPERATION EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | Operation Expenses (exclude payroll) | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 2.1 | 0.0 | 0.0 | 2.1 |
| 3. | SS Purchased Water | 704 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 2.8 | 0.1 | 0.6 | 2.9 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 213.9 | 109.6 | 198.8 | 196.2 |
| 8. | WT Operation Labor and Expenses | 742 | 0.0 | 0.0 | 0.0 | 0.1 |
| 9. | WT Miscellaneous Expenses | 743 | 247.0 | 248.3 | 332.7 | 343.4 |
| 10. | WT Chemicals and Filtering Materials | 744 | 242.5 | 268.4 | 273.7 | 274.1 |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 2.2 | 2.7 | 2.8 | 2.5 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 3.5 | 3.7 | 4.4 | 5.5 |
| 18. | CA Miscellaneous Customer Account | 774 | 30.5 | 29.4 | 37.2 | 29.0 |
| 19. | CA Uncollectible Accounts | 775 | 16.6 | 10.3 | 15.0 | 16.0 |
| 20. | Divisional Allocation | | | | | |
| 21. | Total Operation Expenses | | 761.1 | 672.5 | 865.3 | 871.8 |
| 22. | O&M Expense per customer ² | | 305.7 | 264.96 | 342.70 | 346.64 |
| | | | | | | 325.60 |

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|--------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | Operation Expenses (exclude payroll) | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 1.0 | 1.1 | 1.1 | 1.1 | 6.0 | O&M RO |
| 3. | SS Purchased Water | 704 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 1.3 | 1.3 | 1.4 | 1.4 | 0.6 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 189.7 | 192.5 | 196.1 | 200.4 | 137.2 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 0.1 | 0.1 | 0.1 | 0.1 | 1.9 | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 295.0 | 299.4 | 305.0 | 311.7 | 236.6 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | 268.5 | 272.5 | 277.5 | 283.6 | 249.9 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 2.8 | 2.9 | 3.5 | 3.6 | 29.0 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 6.7 | 6.8 | 7.0 | 7.1 | 3.9 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 28.1 | 28.5 | 29.1 | 29.7 | 29.1 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 14.8 | 14.7 | 14.8 | 17.2 | 17.1 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | |
| 21. | Total Operation Expenses | | 808.2 | 820.0 | 835.5 | 855.9 | 711.3 | |
| 22. | O&M Expense per customer ⁽²⁾ | | 324.31 | 329.06 | 335.27 | 343.46 | 269.6 | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|-------|-------|-------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | Maintenance Expenses | | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 7.9 | 12.9 | 96.0 | 15.3 |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | PP Maintenance of Other Pumping | 733 | 0.0 | 0.0 | 0.1 | 0.2 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 74.7 | 141.7 | 116.0 | 106.2 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Maintenance of Transmission and Distr | 761 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | TD Maintenance of Meters | 764 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 18.7 | 29.9 | 70.6 | 61.6 |
| 21. | Total Maintenance Expenses | | 101.2 | 184.4 | 282.7 | 183.4 |
| 22. | O&M Expense per customer ² | | 40.7 | 72.7 | 112.0 | 72.9 |
| | | | | | | 65.1 |
| | | | | | | 166.6 |
| | | | | | | 66.8 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC

Filing: Final

SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 27.6 | 28.0 | 28.5 | 29.2 | 9.0 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 0.1 | 0.1 | 0.1 | 0.1 | (0.0) | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 109.0 | 110.7 | 112.7 | 115.2 | 126.1 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 52.9 | 53.7 | 54.7 | 55.9 | 13.2 | O&M RO |
| 21. | Total Maintenance Expenses | | 189.6 | 192.5 | 196.0 | 200.3 | 148.3 | |
| 22. | O&M Expense per customer ² | | 76.1 | 77.2 | 78.7 | 80.4 | 56.2 | |

Filing:

| Line No. | Description | PUC Acct # | Recorded Years | | | | |
|----------|---|------------|----------------|-------|-------|-------|-------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Administrative \$ General Expenses</u> | | | | | | |
| 2. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | AG Office Supplies and Other Exp | 792 | 4.2 | 4.4 | 3.7 | 6.6 | 4.7 |
| 4. | AG Property Insurance | 793 | 6.1 | 6.0 | 5.1 | 4.9 | 4.8 |
| 5. | AG Injuries and Damages | 794 | 38.1 | 51.3 | 40.5 | 30.9 | 38.1 |
| 6. | AG Employees' Pensions and Benefits | 795 | 263.3 | 194.6 | 294.5 | 286.0 | 205.0 |
| 7. | AG Regulatory Commission Expenses | 797 | 22.5 | 6.7 | 11.2 | 21.6 | 4.3 |
| 8. | AG Outside Services Employed | 798 | 442.1 | 79.9 | 76.7 | 66.6 | 21.4 |
| 9. | AG Miscellaneous General Expenses | 799 | 164.1 | 208.9 | 65.9 | 60.1 | 47.8 |
| 10. | AG Maintenance of General Plant | 805 | 3.6 | 4.4 | 6.9 | 13.7 | 6.6 |
| 11. | AG Rents | 811 | 10.2 | 10.4 | 90.6 | 6.2 | 15.7 |
| 12. | | | | | | | |
| 13. | | | | | | | |
| 14. | | | | | | | |
| 15. | | | | | | | |
| 16. | | | | | | | |
| 17. | | | | | | | |
| 18. | | | | | | | |
| 19. | | | | | | | |
| 20. | | | | | | | |
| 21. | Total Administrative & General Exp | | 954.1 | 566.5 | 595.1 | 496.6 | 348.4 |
| 22. | O&M Expense per customer ² | | 383.2 | 223.2 | 235.7 | 197.4 | 139.8 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC

Filing: Final

SUMMARY OF A&G EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 4.3 | 4.4 | 4.5 | 4.6 | 4.2 | O&M RO |
| 3. | AG Property Insurance | 793 | 7.9 | 8.7 | 25.5 | 25.7 | 5.8 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 39.3 | 39.9 | 40.7 | 41.6 | 37.5 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 281.3 | 312.8 | 317.6 | 330.1 | 258.6 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 18.8 | 18.8 | 6.8 | 27.3 | 15.4 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 137.0 | 139.1 | 143.2 | 145.9 | 162.6 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 153.6 | 193.0 | 156.5 | 131.3 | 170.5 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 6.2 | 6.3 | 6.4 | 6.5 | 3.1 | O&M RO |
| 10. | AG Rents | 811 | 25.4 | 25.9 | 31.4 | 29.3 | 9.4 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 673.9 | 748.9 | 732.5 | 742.4 | 667.0 | |
| 22. | O&M Expense per customer ² | | 270.4 | 300.5 | 293.9 | 297.9 | 252.8 | |

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing:

Final

| Line No. | Description | Recorded Years | | | |
|----------|---|----------------|-------|-------|-------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 987.4 | 961.3 | 995.7 | 938.6 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Purchased Power | 213.9 | 109.6 | 198.8 | 196.2 |
| 4. | Chemicals | 242.5 | 268.4 | 273.7 | 274.1 |
| 5. | Operation Expense | 254.1 | 251.1 | 336.1 | 351.0 |
| 6. | Maintenance (excluding Amort Tank Painting) | 101.2 | 184.4 | 282.7 | 183.4 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Customer Accounting | 33.9 | 33.1 | 41.6 | 34.5 |
| 9. | Uncollectible Expense | 16.6 | 10.3 | 15.0 | 16.0 |
| 10. | Insurance | 44.2 | 57.3 | 45.6 | 35.8 |
| 11. | Pensions and Benefits | 263.3 | 194.6 | 294.5 | 286.0 |
| 12. | Regulatory Expenses | 22.5 | 6.7 | 11.2 | 21.6 |
| 13. | Rents | 10.2 | 10.4 | 90.6 | 6.2 |
| 14. | Other Administrative & General | 614.0 | 297.5 | 153.2 | 146.9 |
| 15. | Service Company Costs | 185.6 | 187.5 | 188.9 | 167.3 |
| 16. | Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | General Office Return on Rate Base | 22.9 | 27.1 | 30.1 | 25.8 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
EXPENSES PER CUSTOMER (Recorded Years)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | Expenses Per Customer | | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|-------|--|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Labor | 396.5 | 378.7 | 394.3 | 373.2 | 424.3 | 376.5 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 85.9 | 43.2 | 78.7 | 78.0 | 86.1 | 52.0 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 97.4 | 105.7 | 108.4 | 109.0 | 105.0 | 94.7 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 102.1 | 98.9 | 133.1 | 139.6 | 114.4 | 103.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 40.7 | 72.7 | 112.0 | 72.9 | 66.8 | 56.2 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 13.6 | 13.1 | 16.5 | 13.7 | 14.0 | 12.5 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.7 | 4.0 | 6.0 | 6.4 | 6.1 | 6.5 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 17.7 | 22.6 | 18.1 | 14.2 | 17.2 | 16.4 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 105.7 | 76.7 | 116.6 | 113.7 | 82.3 | 98.0 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.0 | 2.6 | 4.5 | 8.6 | 1.7 | 5.8 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 4.1 | 4.1 | 35.9 | 2.5 | 6.3 | 3.5 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 246.6 | 117.2 | 60.7 | 58.4 | 32.3 | 129.0 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 74.5 | 73.9 | 74.8 | 66.5 | 66.7 | 61.6 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 9.2 | 10.7 | 11.9 | 10.3 | 11.7 | 12.8 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |
| 23. | | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated and Projected Years | | | |
|----------|---|-------------------------------|---------|---------|---------|
| | | 2019 | 2020 | 2021 | 2022 |
| 1. | Labor | 1,145.1 | 1,174.5 | 1,204.7 | 1,235.6 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Purchased Power | 189.7 | 192.5 | 196.1 | 200.4 |
| 4. | Chemicals | 268.5 | 272.5 | 277.5 | 283.6 |
| 5. | Operation Expense | 300.4 | 304.9 | 311.1 | 317.9 |
| 6. | Maintenance (excluding Amort Tank Painting) | 189.6 | 192.5 | 196.0 | 200.3 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Customer Accounting | 34.9 | 35.4 | 36.0 | 36.8 |
| 9. | Uncollectible Expense | 14.8 | 14.7 | 14.8 | 17.2 |
| 10. | Insurance | 47.2 | 48.6 | 66.2 | 67.3 |
| 11. | Pensions and Benefits | 281.3 | 312.8 | 317.6 | 330.1 |
| 12. | Regulatory Expenses | 18.8 | 18.8 | 6.8 | 27.3 |
| 13. | Rents | 25.4 | 25.9 | 31.4 | 29.3 |
| 14. | Other Administrative & General | 301.1 | 342.8 | 310.5 | 288.4 |
| 15. | Service Company Costs | 147.9 | 149.7 | 152.4 | 155.8 |
| 16. | Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | General Office Return on Rate Base | 27.0 | 35.4 | 41.0 | 42.3 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 459.9 | 462.8 | 477.1 | 491.3 | 376.5 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 76.2 | 75.9 | 77.7 | 79.7 | 52.0 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 107.8 | 107.4 | 109.9 | 112.8 | 94.7 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 120.6 | 120.1 | 123.2 | 126.4 | 103.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 76.2 | 75.8 | 77.6 | 79.7 | 56.2 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 14.0 | 13.9 | 14.3 | 14.6 | 12.5 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.0 | 5.8 | 5.9 | 6.8 | 6.5 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 19.0 | 19.2 | 26.2 | 26.8 | 16.4 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 113.0 | 123.2 | 125.8 | 131.3 | 98.0 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 7.6 | 7.4 | 2.7 | 10.9 | 5.8 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 10.2 | 10.2 | 12.4 | 11.6 | 3.5 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 120.9 | 135.0 | 123.0 | 114.7 | 129.0 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 59.4 | 59.0 | 60.3 | 61.9 | 61.6 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 10.8 | 14.0 | 16.2 | 16.8 | 12.8 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses
1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|--------|--------|--------|--------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | -2.6% | 3.6% | -5.7% | 12.7% |
| 2. | Purchased Water | N/A | N/A | N/A | N/A | N/A |
| 3. | Purchased Power | N/A | -48.8% | 81.4% | -1.3% | 9.3% |
| 4. | Chemicals | N/A | 10.7% | 2.0% | 0.1% | -4.5% |
| 5. | Operation - Source of Supply (SS) | N/A | -1.2% | 33.8% | 4.4% | -18.8% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | 82.2% | 53.3% | -35.1% | -9.2% |
| 7. | Amortization of Tank Painting | N/A | N/A | N/A | N/A | N/A |
| 8. | Customer Accounting | N/A | -2.4% | 25.7% | -17.1% | 1.0% |
| 9. | Uncollectible Expense | N/A | -38.3% | 46.5% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 29.6% | -20.4% | -21.4% | 19.8% |
| 11. | Pensions and Benefits | N/A | -26.1% | 51.3% | -2.9% | -28.3% |
| 12. | Regulatory Expenses | N/A | -70.2% | 68.0% | 92.3% | -80.3% |
| 13. | Rents | N/A | 1.8% | 770.9% | -93.2% | 154.6% |
| 14. | Other Administrative & General | N/A | -51.5% | -48.5% | -4.1% | -45.2% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | N/A | N/A | N/A | N/A |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 23. | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|--------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 8.3% | 2.6% | 2.6% | 2.6% | | 21.3% |
| 2. | Purchased Water | N/A | N/A | N/A | N/A | | N/A |
| 3. | Purchased Power | -11.6% | 1.5% | 1.8% | 2.2% | | 42.9% |
| 4. | Chemicals | 2.6% | 1.5% | 1.8% | 2.2% | | 11.1% |
| 5. | Operation - Source of Supply (SS) | 5.4% | 1.5% | 2.0% | 2.2% | | 13.5% |
| 6. | Maintenance (excluding Amort Tank Painting) | 13.8% | 1.5% | 1.8% | 2.2% | | 32.2% |
| 7. | Amortization of Tank Painting | N/A | N/A | N/A | N/A | | N/A |
| 8. | Customer Accounting | 0.0% | 1.5% | 1.9% | 2.2% | | 9.2% |
| 9. | Uncollectible Expense | -2.9% | -0.5% | 0.5% | 15.9% | | -13.1% |
| 10. | Insurance | 10.0% | 3.0% | 36.1% | 1.6% | | 52.8% |
| 11. | Pensions and Benefits | 37.2% | 11.2% | 1.5% | 3.9% | | 22.8% |
| 12. | Regulatory Expenses | 342.8% | 0.0% | -63.7% | 300.0% | | -55.5% |
| 13. | Rents | 62.1% | 1.9% | 20.9% | -6.6% | | 235.0% |
| 14. | Other Administrative & General | 274.0% | 13.8% | -9.4% | -7.1% | | -8.8% |
| 15. | Service Company Costs | -11.0% | 1.2% | 1.7% | 2.3% | | -6.3% |
| 16. | Citizens Acquisition Premium | N/A | N/A | N/A | N/A | | N/A |
| 17. | General Office Return on Rate Base | -7.7% | 31.3% | 15.7% | 3.2% | | 21.7% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | | N/A |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | | |
| 23. | | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | |
|----------|---|---|--------|-------|-------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Salaries | N/A | 4.0% | 3.8% | -6.9% |
| 2. | Overtime | N/A | -39.3% | 4.0% | 9.1% |
| 3. | Total Salaries | N/A | -2.6% | 3.8% | -5.3% |
| 4. | Capitalized Payroll | N/A | -2.4% | 8.8% | 3.3% |
| 5. | Total Net Payroll | N/A | -2.6% | 3.6% | -5.7% |
| 6. | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | N/A | -4.5% | 4.3% | -4.9% |
| 8. | | | | | |
| 9. | <u>Number of Employees</u> | | | | |
| 10. | | | | | |
| 11. | # of employees per thousand customers | N/A | -1.6% | 0.4% | 1.7% |
| 12. | | | | | |
| 13. | Number of employees | N/A | 0.3% | -0.1% | 1.3% |
| 14. | | | | | |
| 15. | | | | | |
| 16. | <u>Number of Customers</u> | | | | |
| 17. | | | | | |
| 18. | End of Period Customers | N/A | 1.9% | -0.5% | -0.4% |
| 19. | | | | | |
| 20. | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | |
| 22. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC

Filing: Final

PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: % calculations include allocation of General Office costs

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | | 2021 | 2022 |
| 1. | Salaries | 10.7% | 2.6% | 2.6% | 2.6% | 27.9% |
| 2. | Overtime | -19.6% | 2.5% | 2.5% | 2.5% | -32.6% |
| 3. | Total Salaries | 7.7% | 2.6% | 2.6% | 2.6% | 19.9% |
| 4. | Capitalized Payroll | -5.7% | 2.8% | 2.9% | 2.9% | -7.4% |
| 5. | Total Net Payroll | 8.3% | 2.6% | 2.6% | 2.6% | 21.3% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 7.7% | 2.6% | 2.6% | 2.6% | 26.9% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | -1.0% | 0.0% | 0.0% | 0.0% | 15.3% |
| 12. | | | | | | |
| 13. | Number of employees | -1.0% | 0.0% | 0.0% | 0.0% | 8.9% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | 0.0% | 0.0% | 0.0% | 0.0% | -5.5% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--------------------------------|------------|----------------|-------|-------|-------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 1. | Ad Valorem | 507 | 14.5 | 14.8 | 14.0 | 12.9 |
| 2. | Franchise Taxes | 507 | 38.3 | 10.2 | 98.9 | 18.3 |
| 3. | Payroll Taxes | 507 | 70.5 | 71.1 | 73.9 | 67.4 |
| 4. | Other | 507 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 123.4 | 96.1 | 186.7 | 98.6 |
| 9. | Other Tax Expense per customer | | 49.5 | 37.87 | 73.96 | 39.22 |
| | | | | | | 108.6 |
| | | | | | | 43.57 |

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--------------------------------|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | Ad Valorem | 507 | 11.5 | 11.8 | 12.4 | 14.2 | 13.4 | OTAX RO |
| 2. | Franchise Taxes | 507 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | OTAX RO |
| 3. | Payroll Taxes | 507 | 88.1 | 90.1 | 92.1 | 94.1 | 84.1 | OTAX RO |
| 4. | Other | 507 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | OTAX RO |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | Total Other Taxes | | 99.6 | 102.0 | 104.6 | 108.4 | 97.6 | |
| 9. | Other Tax Expense per customer | | 39.96 | 40.93 | 41.98 | 43.48 | 37.0 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables regarding the calculation of taxes based on income. The tables are presented as follows:

Table 6.1 – Calculation of Income Taxes at Present Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2020, and Attrition Year 2021 at the current or anticipated present rates in effect at the time.

Table 6.2 – Calculation of Income Taxes at Proposed Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2022, and Attrition Year 2023 if the tariff rates proposed by California American Water in this application are approved.

Information About Calculations

The methods used to compute taxable income are as follows:

- 1) Operating Revenues as shown on Chapter 2 – Tables 2.2 and 2.3 of the RO Report.
- 2) Total Operating Expenses and Uncollectibles as shown on Chapter 2- Tables 2.2 and 2.3 of the RO Report.
- 3) Book Depreciation as shown on Chapter 2 – Tables 2.2 and 2.3. California American Water has adopted FAS 109 and defers the difference between depreciation recorded on its books and depreciation used to calculate its taxable income.
- 4) Domestic Production Activity Deduction was calculated based on Internal Revenue Code Section 199 guidelines. Section 199 provides for a tax deduction based on qualified production activity income or wages whichever is less.
- 5) Rate Making Interest Expense was calculated using the Interest Synchronization Method that requires the application of the weighted cost of debt used in the calculation of the Rate of Return shown on Exhibit C to the net rate base shown on Chapter 9- Table 9.2 of the RO Report.
- 6) Taxes Other Than Income Taxes as shown on Exhibit A, Chapter 2, Tables 2.2 and 2.3.

- 7) Deferred Taxes can constitute one or more of the following:
- a. Investment Tax Credits that include the amortization of amounts deferred in previous years in accordance with previous provisions of the Federal Tax Code.
 - b. An adjustment to taxable net income resulting from the write-off of deferred income taxes amounts that resulted from a decrease in prior tax rates from 46% to 35%, known as the reverse South Georgia method. Additional deferred income taxes resulting from the reverse South Georgia method decrease have been grossed-up in accordance with FAS 109.
 - c. Additional deferred taxes resulting from bonus depreciation.

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|-------------------------------------|----------------|----------------|------------------------|------------------------------|----------------|-----------------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 3,323.5 | 3,307.6 | 3,323.5 | 3,851.4 | 3,971.8 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | | | |
| 3. | Operating Exps less uncollectibles | 2,976.8 | 3,106.4 | 3,147.3 | 3,215.1 | 3,282.6 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 14.8 | 14.7 | 14.8 | 17.2 | 17.2 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 296.4 | 308.0 | 321.3 | 339.1 | 357.0 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 76.4 | 76.3 | 79.2 | 89.4 | 99.5 | CH09, Tbl 9.2 |
| 8. | General Taxes | 99.6 | 102.0 | 104.6 | 108.4 | 112.9 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (0.9) | (0.9) | (0.9) | (1.0) | (1.0) | O&M RO |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | | | |
| 12. | Federal | 3,463.2 | 3,606.5 | 3,666.2 | 3,768.2 | 3,868.2 | Sum(Ln3...Ln10) |
| 13. | State | 3,463.2 | 3,606.5 | 3,666.2 | 3,768.2 | 3,868.2 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|---|----------------|----------------|------------------------|------------------------------|----------------|--|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | (139.7) | (298.9) | (342.8) | 83.2 | 103.5 | Calculated Ln13 X % N/A Ln15 + Ln 16 |
| 15. | State Income Tax @ (see below) | (12.4) | (26.4) | (30.3) | 7.4 | 9.2 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | (12.4) | (26.4) | (30.3) | 7.4 | 9.2 | |
| 19. | Taxable Income - Federal | (127.4) | (286.5) | (316.3) | 66.7 | 85.6 | Calculated Ln19 X % WP Amort ITC Sum(Ln20...Ln22) |
| 20. | Federal Income Tax @ (See below) | (26.7) | (60.2) | (66.4) | 14.0 | 18.0 | |
| 21. | Less: Amort Deferred Federal ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 22. | Less: Amort Excess Deferred Taxes | 0.0 | 0.0 | (36.5) | (36.6) | (37.0) | |
| 23. | FEDERAL INCOME TAX | (26.7) | (60.2) | (102.9) | (22.6) | (19.0) | |
| 24. | TOTAL TAXES ON INCOME | (39.1) | (86.6) | (133.2) | (15.2) | (9.8) | Ln18 + Ln 23 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|----------|-------------------------------------|-----------|-----------------|----------------|----------------|
| | | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 3,855.2 | 3,971.8 | 4,100.3 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | |
| 3. | Operating Exps less uncollectibles | 3,147.3 | 3,215.1 | 3,282.6 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 17.2 | 17.7 | 17.7 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 321.3 | 339.1 | 357.0 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 79.2 | 89.4 | 99.5 | CH09, Tbl 9.2 |
| 8. | General Taxes | 104.6 | 108.4 | 112.9 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (0.9) | (1.0) | (1.0) | CH06, Tbl 6.1 |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | |
| 12. | Federal | 3,668.6 | 3,768.7 | 3,868.8 | Sum(Ln3...Ln9) |
| 13. | State | 3,668.6 | 3,768.7 | 3,868.8 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|---|-----------------------------------|-----------|-----------------|----------------|---|
| | | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 186.6 | 203.0 | 231.5 | Calculated Ln13 X % CH06, Tbl 6.1 |
| 15. | State Income Tax @ (see below) | 16.5 | 17.9 | 20.5 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 16.5 | 17.9 | 20.5 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 213.0 | 186.6 | 213.5 | Calculated Ln18 X % CH06, Tbl 6.1 |
| 20. | Federal Income Tax @ (See below) | 44.7 | 39.2 | 44.8 | |
| 21. | Less: Amort Deferred Federal ITC | 0.0 | 0.0 | 0.0 | |
| 22. | Less: Amort Excess Deferred Taxes | (36.5) | (36.6) | (37.0) | |
| 23. | FEDERAL INCOME TAX | 8.2 | 2.6 | 7.9 | Ln19 + Ln 20 |
| 24. | TOTAL TAXES ON INCOME | 24.7 | 20.5 | 28.3 | Ln17 + Ln 21 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are thereofore, calculated at the District / Division level. | | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the Monterey Wastewater district of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 16,605.8 | 17,203.2 | 17,290.9 | 17,450.4 | 17,554.0 |
| 2. | Gross Additions During Year | 658.6 | 138.9 | 223.4 | 178.2 | 55.8 |
| 3. | Retirements | 61.2 | 51.2 | 63.9 | 74.6 | 9.9 |
| 4. | Sales and Adjustments | (0.0) | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Net Additions | 597.4 | 87.7 | 159.5 | 103.6 | 45.9 |
| 6. | Construction Work in Progress Beg. Bal. | 219.0 | 58.2 | 0.0 | 145.6 | 132.3 |
| 7. | Construction Work in Progress End Bal. | 58.2 | 0.0 | 145.6 | 132.3 | 388.0 |
| 8. | Net Change During Year - CWIP | (160.8) | (58.2) | 145.6 | (13.3) | 255.7 |
| 9. | Total Beg. Utility Plant and CWIP | 16,824.8 | 17,261.4 | 17,290.9 | 17,596.0 | 17,686.3 |
| 10. | Net Additions - Total | 436.6 | 29.5 | 305.1 | 90.3 | 301.6 |
| 11. | 6 Year Average Weighting Factor (1) | 43.71% | 43.71% | 43.71% | 43.71% | 43.71% |
| 12. | Weighted Average Utility Plant | 17,015.6 | 17,274.3 | 17,424.3 | 17,635.4 | 17,818.1 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|--|---|-----------|----------|---------------------|-----------------|---------------------------|-------------|
| | | 2019 | 2020 | | | | |
| 1. | Plant in Service Beg. of Year | 17,599.9 | 17,836.3 | 18,075.6 | 18,408.4 | 17,658.7 | PLT RO |
| 2. | Gross Additions During Year | 243.3 | 246.3 | 343.3 | 727.9 | 268.8 | PLT RO |
| 3. | Retirements | 6.9 | 7.0 | 10.5 | 10.4 | 8.8 | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | L5-L2+L3 |
| 5. | Net Additions | 236.4 | 239.3 | 332.8 | 717.5 | 260.0 | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 388.0 | 388.0 | 388.0 | 528.3 | 0.0 | PLT RO |
| 7. | Construction Work in Progress End Bal. | 388.0 | 388.0 | 528.3 | 636.0 | 0.0 | L7+L6 |
| 8. | Net Change During Year - CWIP | 0.0 | (0.0) | 140.3 | 107.7 | 0.0 | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 17,987.9 | 18,224.3 | 18,463.6 | 18,936.7 | 17,658.7 | L1+L6 |
| 10. | Net Additions - Total | 236.4 | 239.3 | 473.1 | 825.2 | 260.0 | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 43.71% | 43.71% | 43.71% | 43.71% | 35.51% | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 18,091.2 | 18,328.9 | 18,670.4 | 19,297.4 | 17,751.0 | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|-------------------------------|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 16,605.8 | 17,203.2 | 17,290.9 | 17,450.4 | 17,554.0 |
| 2. | Gross Additions During Year | 658.6 | 138.9 | 223.4 | 178.2 | 55.8 |
| 3. | MISC Adjustments | (0.0) | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Less Retirements | 61.2 | 51.2 | 63.9 | 74.6 | 9.9 |
| 5. | Plant in Service End. of Year | 17,203.2 | 17,290.9 | 17,450.4 | 17,554.0 | 17,599.9 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|-------------------------------|-----------|----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | 2018 | |
| 1. | Plant in Service Beg. of Year | 17,599.9 | 17,836.3 | 18,075.6 | 18,408.4 | 17,658.7 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 243.3 | 246.3 | 343.3 | 727.9 | 268.8 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 6.9 | 7.0 | 10.5 | 10.4 | 8.8 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 17,836.3 | 18,075.6 | 18,408.4 | 19,125.8 | 17,918.7 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 17,015.6 | 17,274.3 | 17,424.3 | 17,635.4 | 17,818.1 |
| 2. | Average Customers | 2,528.0 | 2,516.0 | 2,536.0 | 2,523.0 | 2,506.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 6.7 | 6.9 | 6.9 | 7.0 | 7.1 |
| 4. | Change in Weighted Average Utility Plant | N/A | 258.7 | 150.0 | 211.2 | 182.7 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 1.52% | 0.87% | 1.21% | 1.04% |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | N/A | 0.0006% | 0.0003% | 0.0005% | 0.0004% |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 18,091.2 | 18,328.9 | 18,670.4 | 19,297.4 | 17,751.0 | 919.4 | EXA Tbl 7.1 |
| 2. | Average Customers | 2,492.0 | 2,492.0 | 2,492.0 | 2,492.0 | 2,588.0 | (96.0) | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 7.3 | 7.4 | 7.5 | 7.7 | 6.9 | (9.6) | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 273.1 | 237.7 | 341.5 | 627.0 | N/A | 919.4 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 1.53% | 1.31% | 1.86% | 3.36% | N/A | 5.18% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | 0.0006% | 0.0005% | 0.0007% | 0.0013% | N/A | 0.0020% | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the Monterey Wastewater district of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its Monterey Wastewater district. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the Central Division.

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

Calculation of Weighted Average Plant Reserve

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|--|----------------|---------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 7,906.9 | 8,101.2 | 8,322.3 | 8,565.2 | 8,790.5 |
| 2. | Annual Accrual Including CIAC Depreciation | 296.1 | 307.8 | 313.9 | 318.6 | 320.7 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 61.2 | 51.2 | 63.9 | 74.6 | 9.9 |
| 5. | (Salvage) and Cost of Removal | (40.6) | (35.5) | (7.1) | (18.5) | (3.0) |
| 6. | Depreciation Reserve Adjustments | 0.0 | (0.0) | (0.0) | (0.0) | 0.0 |
| 7. | | | | | | |
| 8. | Net Accrual | 194.3 | 221.1 | 242.9 | 225.4 | 307.8 |
| 9. | 6 Year Average Weighting Factor (1) | 47.45% | 47.45% | 47.45% | 47.45% | 47.45% |
| 10. | Weighted Average Depreciation | 92.2 | 104.9 | 115.2 | 106.9 | 146.1 |
| 11. | Weighted Average Deprecation Reserve | 7,999.1 | 8,206.1 | 8,437.5 | 8,672.1 | 8,936.6 |
| (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|---------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 9,098.3 | 9,506.5 | 9,920.7 | 10,338.7 | 9,129.6 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 418.7 | 424.9 | 432.2 | 443.8 | 421.7 | DEPR RO |
| 3. | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 6.9 | 7.0 | 10.5 | 10.4 | 8.8 | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | (3.7) | (3.7) | (3.7) | (23.8) | (3.7) | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | |
| 8. | Net Accrual | 408.2 | 414.2 | 417.9 | 409.6 | 409.2 | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 47.45% | 47.45% | 47.45% | 47.45% | 47.62% | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 193.7 | 196.5 | 198.3 | 194.4 | 194.8 | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 9,292.0 | 9,703.0 | 10,119.0 | 10,533.0 | 9,324.4 | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|---------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 7,906.9 | 8,101.2 | 8,322.3 | 8,565.2 | 8,790.5 |
| 2. | Annual Accrual Including CIAC Depreciation | 296.1 | 307.8 | 313.9 | 318.6 | 320.7 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 61.2 | 51.2 | 63.9 | 74.6 | 9.9 |
| 4. | (Salvage) and Cost of Removal | (40.6) | (35.5) | (7.1) | (18.5) | (3.0) |
| 5. | Depreciation Reserve Adjustments | 0.0 | (0.0) | (0.0) | (0.0) | 0.0 |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 8,101.2 | 8,322.3 | 8,565.2 | 8,790.5 | 9,098.3 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 9,098.3 | 9,506.5 | 9,920.7 | 10,338.7 | 9,129.6 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 418.7 | 424.9 | 432.2 | 443.8 | 421.7 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 6.9 | 7.0 | 10.5 | 10.4 | 8.8 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | (3.7) | (3.7) | (3.7) | (23.8) | (3.7) | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 9,506.5 | 9,920.7 | 10,338.7 | 10,748.3 | 9,538.8 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in property required to provide quality service to customers in its Monterey Wastewater district. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

Monterey Wastewater - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 17,015.6 | 17,274.3 | 17,424.3 | 17,635.4 | 17,818.1 |
| 2. | Materials and Supplies | 26.9 | 39.3 | 32.2 | 28.8 | 26.9 |
| 3. | Working Cash, Operational | (63.6) | (2.9) | 31.7 | 150.2 | 140.4 |
| 4. | Working Cash, Lead Lag | 3.0 | 3.0 | 265.8 | 272.5 | 282.1 |
| 5. | SUBTOTAL | 16,981.9 | 17,313.7 | 17,754.0 | 18,086.9 | 18,267.5 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (7,999.1) | (8,206.1) | (8,437.5) | (8,672.1) | (8,936.6) |
| 9. | Advances for Construction | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Unamortized Advances (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Contributions in Aid of Construction | (6,230.4) | (6,098.6) | (5,951.3) | (5,804.0) | (5,656.4) |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Accumulated Deferred Federal Income Taxes | (496.8) | (556.7) | (571.5) | (595.4) | (606.3) |
| 14. | Accumulated Deferred State Income Taxes | (137.7) | (156.9) | (171.4) | (181.5) | (176.8) |
| 15. | SUBTOTAL DEDUCTIONS | (14,864.0) | (15,018.3) | (15,131.6) | (15,252.9) | (15,376.2) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 2,118.0 | 2,295.4 | 2,622.4 | 2,834.0 | 2,891.4 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 66.1 | 71.6 | 81.8 | 88.4 | 72.6 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Weighted Average Rate Base
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|------------|---------------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | | | | |
| 1. | Weighted Average Utility Plant in Service | 18,091.2 | 18,328.9 | 18,670.4 | 19,297.4 | 17,751.0 | RB RO |
| 2. | Materials and Supplies | 33.0 | 33.4 | 34.1 | 34.8 | 44.0 | RB RO |
| 3. | Working Cash, Operational | 167.3 | 154.9 | 139.9 | 129.6 | 0.0 | RB RO |
| 4. | Working Cash, Lead Lag | 335.6 | 342.8 | 361.7 | 371.9 | 282.1 | RB RO |
| 5. | SUBTOTAL | 18,627.0 | 18,860.0 | 19,206.1 | 19,833.7 | 18,077.1 | Sum (L1:L4) |
| 6. | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (9,292.0) | (9,703.0) | (10,119.0) | (10,533.0) | (9,324.4) | RB RO |
| 9. | Advances for Construction | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | RB RO |
| 11. | Contributions in Aid of Construction | (5,508.6) | (5,360.8) | (5,213.0) | (5,065.3) | (5,944.0) | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (610.1) | (596.7) | (567.1) | (532.7) | (485.7) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (171.5) | (160.9) | (150.8) | (142.8) | (140.8) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (15,582.3) | (15,821.5) | (16,050.0) | (16,273.8) | (15,894.9) | Sum (L7:L14) |
| 16. | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 3,044.8 | 3,038.5 | 3,156.1 | 3,559.9 | 2,182.2 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | RB RO |
| 19. | Rate Making Interest | 76.4 | 76.3 | 79.2 | 89.4 | 54.8 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$2,118.0 | \$2,295.4 | \$2,622.4 | \$2,834.0 | \$2,891.4 |
| 2. | Average Customers | 2,528.0 | 2,516.0 | 2,536.0 | 2,523.0 | 2,506.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 |
| 4. | Change in Weighted Average Rate Base | N/A | 177.4 | 326.9 | 211.7 | 57.4 |
| 5. | Percent of Increase in Weighted Average Rate Base | N/A | 8.38% | 14.24% | 8.07% | 2.02% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | 0.0033% | 0.0056% | 0.0032% | 0.0008% |

CALIFORNIA-AMERICAN WATER COMPANY
Monterey Wastewater - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------|-----------------|---------------------------|------------------------------|-----------|
| | | 2019 | 2020 | 2021 | 2022 | 2018 | | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$3,044.8 | \$3,038.5 | \$3,156.1 | \$3,559.9 | \$2,182.2 | \$973.9 | RB RO | |
| 2. | Average Customers | 2,492.0 | 2,492.0 | 2,492.0 | 2,492.0 | 2,588.0 | (96.0) | ExAch3 TBL3.4,3.5 | |
| 3. | Weighted Average Rate Base Per Avg. Customer | 1.2 | 1.2 | 1.3 | 1.4 | 0.84318688 | (10.1) | L1/L2 | |
| 4. | Change in Weighted Average Rate Base | 153.4 | (6.2) | 117.5 | 403.8 | N/A | 973.9 | Calculated | |
| 5. | Percent of Increase in Weighted Average Rate Base | 5.31% | -0.20% | 3.87% | 12.80% | N/A | 44.63% | Calculated | |
| 6. | Percent of Incr. in Wgtd Avg Rate Base Per Customer | 0.0021% | -0.0001% | 0.0016% | 0.0051% | N/A | 0.0172% | L2/L5 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Tables in this chapter contain information regarding an analysis of billing information by customer class for the Monterey Wastewater District. The analysis prices the average level of consumption using current tariff rates and rates proposed by California American Water for customers in its Monterey Wastewater District in this application. The information is presented as follows:

Table 10.1 - These tables contain a comparison of bills at the average level of consumption at both present rates and rates California American Water proposes to become effective January 1, 2021 for customers in its Monterey Wastewater District. Information is presented for passive and active customers.

Table 10.2 - This table contains information about tariff rates currently in effect for customers of the Monterey Wastewater District of California American Water.

Table 10.3 - This table contains information about tariff rates California American Water proposes be placed into effect on January 1, 2021 for customers of its Monterey Wastewater District. Information is presented for passive and active customers.

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey WW Current | | | |
|--|-------------|----|--------|
| # Days in Billing period: | | | |
| District | Monterey | 30 | |
| Low Income Ratepayer Assistance (LIRA) | | | |
| EDU Quantity | No | 1 | |
| Customer Class | | | |
| Sewer Service | Residential | | Active |

| Monterey WW Proposed | | | |
|--|-------------|----|--------|
| # Days in Billing period: | | | |
| District | Monterey | 30 | |
| Low Income Ratepayer Assistance (LIRA) | | | |
| EDU Quantity | No | 1 | |
| Customer Class | | | |
| | Residential | | Active |

| Monterey WW Current | | | |
|-----------------------------------|-------|-------------|-----------------|
| Current Wastewater Service Charge | | Residential | \$122.56 |
| Subtotal Base Bill | | | |
| | | | \$122.56 |
| Surcharges: | | | |
| CEBA | Units | Rates | Surcharge |
| | 1 | -\$1.82 | -\$1.82 |
| LIRA | Flat | \$1.81 | \$1.81 |
| High Cost Fund Credit | Flat | \$0.00 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | -\$0.01 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| | | 1.23% | \$1.51 |
| License Tax | | 2.00% | \$2.45 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$3.96 |
| Total Bill | | | \$126.51 |

| Monterey WW Proposed | | | |
|------------------------------------|-------|-------------|-----------------|
| Proposed Wastewater Service Charge | | Residential | \$142.17 |
| Subtotal Base Bill | | | |
| | | | \$142.17 |
| Surcharges: | | | |
| CEBA | Units | Rates | Surcharge |
| | 1 | \$4.3667 | \$4.37 |
| LIRA | Flat | \$1.8100 | \$1.81 |
| High Cost Fund Credit | Flat | -\$27.17 | -\$27.17 |
| Subtotal Surcharges | | | |
| | | | -\$20.99 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| | | 1.23% | \$1.49 |
| License Tax | | 2.00% | \$2.42 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$3.91 |
| Total Bill | | | \$125.09 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Monterey WW Current | |
|--|--------------------------------|
| # Days in Billing period: | 30 |
| District | Monterey |
| Low Income Ratepayer Assistance (LIRA) | No |
| EDU Quantity | 1 |
| Customer Class | Residential / Small Commercial |
| Sewer Service | Passive |

| Monterey WW Proposed | |
|--|--------------------------------|
| # Days in Billing period: | 30 |
| District | Monterey |
| Low Income Ratepayer Assistance (LIRA) | No |
| EDU Quantity | 1 |
| Customer Class | Residential / Small Commercial |
| | Passive |

| Monterey WW Current | | | |
|-----------------------------------|-------|--------------------------------|----------------|
| Current Wastewater Service Charge | | Residential / Small Commercial | |
| | | | \$55.04 |
| Subtotal Base Bill | | | \$55.04 |
| Surcharges: | Units | Rates | Surcharge |
| CEBA | 1 | -\$1.82 | -\$1.82 |
| LIRA | Flat | \$1.81 | \$1.81 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | -\$0.01 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.68 |
| License Tax | | 2.00% | \$1.10 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$1.78 |
| Total Bill | | | \$56.80 |

| Monterey WW Proposed | | | |
|------------------------------------|-------|--------------------------------|----------------|
| Proposed Wastewater Service Charge | | Residential / Small Commercial | |
| | | | \$63.84 |
| Subtotal Base Bill | | | \$63.84 |
| Surcharges: | Units | Rates | Surcharge |
| CEBA | 1 | \$4.3667 | \$4.37 |
| LIRA | Flat | \$1.8100 | \$1.81 |
| High Cost Fund | Flat | \$0.2936 | \$0.29 |
| Subtotal Surcharges | | | \$6.47 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.86 |
| License Tax | | 2.00% | \$1.41 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$2.27 |
| Total Bill | | | \$72.58 |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This section contains information regarding the corporate and operating history of the San Diego, Ventura, and Los Angeles Districts of California American Water, collectively known as the Southern Division. This information will enable the CPUC and parties reviewing the GRC application to understand the development of the district, the unique nature of the service territory and other issues faced by the district throughout its history that have shaped the present operation. Additionally, in this application, California American Water has included the Rio Plaza and Bellflower acquisitions within the Southern Division.

Presently, there are 65 employees that work in the Southern Division. This number includes the Southern Division General Manager, 3 Operations Manager, 5 Supervisors and 5 Foreman. The remaining 51 employees are administrative staff or employees assigned to Production and Distribution system activities.

SAN DIEGO DISTRICT

OVERVIEW OF OPERATION

This section discusses the present day-to-day operation of the San Diego District of California American Water. Also discussed are issues that are being addressed by the district in order to continue to provide quality service to the customers it serves. This information will assist the CPUC and parties reviewing the GRC application in understanding issues faced by the district on a daily basis as they consider whether the revenue requirements proposed by California American Water for 2018, 2019 and 2020 are adequate to continue to address daily service issues.

OPERATIONAL HISTORY

The San Diego District of California American Water was incorporated on July 14, 1886 as the Coronado Water Company ("Company"). The principal purpose in forming the Company was to supply water to the owners, inhabitants and the public on land that is known today as the City of Coronado.

In 1886, water was delivered to San Diego by way of an 8" trans-bay pipeline that extended from San Diego to Coronado. In 1889, the Company developed its own source of supply (wells) in the lower end of Otay Valley. That area is now known as South San Diego. Water from those wells was transported into San Diego through what is now known as Imperial Beach along a narrow sliver of land called the Silver Strand.

That well field was the sole source of supply to San Diego until 1908 when the Southern California Mountain Water Company ("Mountain") began supplying water to San Diego from the Lower Otay Reservoir located in the eastern foothills. Mountain was a water supplier to the City of San Diego and the stockholders and officers were fairly identical to those of the Company. Water from the Otay Reservoir flowed into the transmission system of the Coronado Water Company through Mountain's newly constructed Otay-Coronado pipeline. The Otay wells were closed in 1908 and used only as an emergency backup until 1916.

By 1912, the City of San Diego was actively seeking the purchase of all the reservoirs and transmission facilities for Mountain. One of those reservoirs, called the Lower Otay Reservoir was the major source of water supply for the Company. During the early part of 1912 the Company and Mountain entered into an agreement which obligated Mountain to sell as much water to the Company as was needed to provide service to its customers. During the later part of 1912, the City of San Diego purchased the holdings of Mountain and accepted the obligation to provide water to the Company under the terms of the agreement.

In 1916, a catastrophic flood destroyed the Lower Otay Dam. The resulting floodwaters rendered the Otay Well useless and the Company lost a source of water for emergency use. To secure a reliable source of water, one of the former wells was rehabilitated and the 8" trans-bay pipeline was placed back into service. As a result of this action, some four months after the flood, a reliable source of water to meet the demands of the customers of the Company was in place.

To further improve the source of reliable water supply, another well was rehabilitated. However, by 1921 the wells were shut down because of poor water quality and a reduced water table. More wells were eventually placed into service during the 1940's and 1950's, but were abandoned by 1973 as a result of poor water quality.

In 1936, the Company was sold to California Water and Telephone. The basic 1912 contract between the Company and Mountain regarding water supplies was adjusted on numerous occasions until 1960. At that time, the California Water and Telephone Company

entered into a more comprehensive agreement with the City of San Diego. That agreement was also subsequently amended on nine occasions. In 1966, California Water and Telephone sold the assets it purchased from the Company to American Water Works Company, Inc. ("American Water"). The San Diego service area then became part of a wholly-owned subsidiary of American Water, the California American Water Company.

Currently, all of the water required to meet the demands of the customers of the San Diego District of California American Water is purchased from the City of San Diego. That water is delivered at four separate locations. The former 8" trans-bay pipeline was used until 1969 until it was replaced with a new 24" pipeline required to meet the growing water demands of the service area.

PRESENT OPERATIONS OF THE SAN DIEGO DISTRICT

Service Areas

The District serve the Cities of Coronado and Imperial Beach, a portion of the City of San Diego that lies south of San Diego Bay and a small area of South Chula Vista that is located in the County of San Diego. The map of the service area and system schematic are provided in the Master Data Request filed as part of this application.

Source of Water Supply

All water supplied to customers of the San Diego District is purchased from the City of San Diego. By contract agreement, California American Water has the right to purchase from the City of San Diego, all of the potable water required to meet the needs of those customers. Water supply obligations documented in the original contract between the Coronado Water Company and Southern California Mountain Water Company were assumed by the City of San Diego when it purchased virtually all of the assets of Southern California Mountain Water Company during the latter portion of 1912.

The original agreement was amended in 1960 after the California Water and Telephone Company purchased the Coronado Water Company. California Water and Telephone Company and the City of San Diego entered into a new agreement that was approved by the CPUC in Decision No. 61519 dated February 14, 1961 (A-42610). That agreement was subsequently

amended by the parties on August 16, 1966; December 29 1970; May 30, 1972; June 2, 1976; January 5 1981; January 17, 1989; March 18, 1995, December 23, 1998. A new agreement between the City of San Diego and The California American Water Company was signed on May 11, 2004. That agreement was amended on September 10, 2004.

California American Water also has entered into three (3) agreements with the following systems regarding water supplies for its San Diego (Coronado) District under emergency conditions:

Otay Water District

Under the terms of the agreement dated June 10, 1983 and modified on December 30, 2008. In the event of an emergency, as described in Section 1(a), and when requested by either Otay or CAW pursuant to the terms of this Agreement, the supplying party shall supply treated water through its facilities to the interconnection. The requesting party shall use its best efforts to provide at least 24 hours advance written notice to the supplying party of the nature of the emergency and the need for water. The supplying party shall operate the interconnection and use good faith efforts to provide the requesting party with water (if available in accordance with Section 2) within the time frame requested.. This agreement is contingent upon the availability of a sufficient surplus of water that is in excess of the amount of necessary to meet the demand of the supplying party's system.. The cost of the water delivered through the emergency interconnection shall be the supplying party's treated water rate in effect at the time of delivery.

Sweetwater Authority

Under the terms of the agreement dated November 30, 1983, the Sweetwater Authority will deliver water to the San Diego District of California American Water for emergency domestic and fire protection use for a period not to exceed 90 days in any calendar year. The agreement is contingent upon the availability of a sufficient surplus of water within the Sweetwater Authority system to meet the needs of its customers. The water purchased under this agreement will be priced at the then-existing commodity rate of the Sweetwater Authority. California American Water has purchased water from the Sweetwater Authority on five (5) different occasions during the past six (6) years. The total water purchased was 23,129,000 gallons.

United States Navy

Under the terms of the agreement dated June 1, 1979, California American Water and/or the United States Navy will deliver water to the other party for emergency use. The water purchased under this agreement will be priced at the then-existing commodity rate of the party providing the water and an appropriate and mutually agreed time will be set by the parties for continued purchases. The party purchasing the water shall return an equal amount of water to the provider of the water through the emergency connection. The terms of the agreement are contingent upon the availability of a sufficient surplus of water with the water system of the party obligated to provide water. The San Diego District of California American Water has purchased water through this emergency connection on five (5) different occasions during the past six (6) years. The total water purchased was 2,068,000 gallons.

Water Supply

The water supply for customers in the San Diego District service area is entirely purchased from other suppliers. The primary supplier is the City of San Diego. Emergency interconnections have been made with Otay Municipal District, the Sweetwater Authority and the North Island Naval Air Base. The City of San Diego purchases approximately 80 percent of its raw water supply from the San Diego County Water Authority ("SDCWA") and meets the remainder of its needs from its own reservoir system. Since SDCWA owns only transmission facilities, it purchases its water supply from the Metropolitan Water District ("MWD"). MWD imports water from the Colorado River and the State Water Project from northern California.

VENTURA DISTRICT

OVERVIEW OF THE VENTURA DISTRICT OPERATION

This section discusses the present day-to-day operation of the Ventura District of California American Water. Also discussed are issues that are being addressed by the district in order to continue to provide quality service to the customers it serves. This information will assist the CPUC and parties reviewing the GRC application in understanding issues faced by the district on a daily basis as they consider whether the revenue requirements proposed by California American Water for 2018, 2019, and 2020 are adequate to continue to address daily service issues.

HISTORY OF THE VENTURA DISTRICT OPERATION

California American Water Company acquired the Ventura Water Company from the Janss family in 1967. Ventura Water Company had originally been founded to serve land developments in the Conejo Valley. Upon acquisition, the Ventura Water Company became the Ventura District of California American Water.

Between 1970 and 2004, the number of customers served by the Ventura District practically tripled. At the end of 1970, the Ventura District provided water service to approximately 7,200 customers. That number increased to almost 17,000 by the end of 2004 and upon completion of the Dos Vientos and MGM Ranch projects the Ventura District anticipates it will serve approximately 21,000 customers.

Originally, the Ventura District obtained all of its water supply from local wells. As the service area and the number of customers served grew, the yield from the wells became inadequate. Additionally, there were concerns about the continued quality of the water from the local wells. Therefore, in 1974 the use of water from the local wells was discontinued. From that time forward all water provided by the Ventura District to its customers was purchased from the State Water Project.

PRESENT OPERATIONS OF THE VENTURA DISTRICT

District Operations and Personnel

The Ventura District Operations Center is a leased facility located in the industrial area of Newbury Park, California. Upon expiration of the lease in 1988, negotiations with the landlord resulted in the addition of 4,750 square feet of the existing 3,500 covered by the expired lease. This expansion took into consideration the significant customer and employee growth within the service area. Expansion and renovation of the Operations Center was completed in June 1990.

Service Areas

The Ventura District of California American Water covers an approximate 26 square mile area North of Los Angeles County and approximately 70 miles south of Santa Barbara in the Conejo Valley of Southern Ventura County. The Ventura District presently provides water service in and adjacent to the unincorporated community of Newbury Park, a portion of, and territory

contiguous to the City of Thousand Oaks and a small unincorporated area adjacent to the City of Camarillo known as Las Posas Estates.

Elevation within the certificated service area varies from 590' in the Main Zone Gradient to 1,360' above sea level in the White Stallion Gradient. Service area maps are included with this GRC application.

The customer base of the service area includes research and industrial facilities for Amgen, Baxter Healthcare Corporation and North American Rockwell. Several other large customers include such companies as Blue Cross, Los Robles Regional Medical Center and California Lutheran University. Ventura also provides water service to two major regional shopping centers, The Oaks and Janss Marketplace.

Source of Water Supply

All of the water requirements for the Ventura District are purchased from Calleguas Municipal Water District, which is a member agency of the Metropolitan Water District of Southern California. The Ventura District receives water from the Calleguas Municipal Water District through 12 separate connections located throughout the service area.

The Ventura District also has 2 emergency inter-connections with Crestview Mutual Water in Camarillo and the City of Thousand Oak in Thousand Oaks. These inter-connections allow for the transfer of water between the parties during emergency situations. A log of the water transferred is maintained.

Water Rights

In addition to private right-of-way grants, the Ventura District operates under a 50-year franchise granted by the County of Ventura on December 12, 1961 by Ordinance No. 1118. Authority to exercise this franchise was granted by the CPUC in Decision No. 66230 dated October 29, 1963.

LOS ANGELES DISTRICT

HISTORY OF THE LOS ANGELES DISTRICT OPERATION

Baldwin Hills Service Area

Athletes competing in the 1932 Olympic Games were the first residents in the Baldwin Hills area. After the Olympic Village was removed, the Los Angeles Investment Company (Investment Company) purchased the land and prepared the property for home construction. In 1964, California Water and Telephone acquired the water system built by the Investment Company. American Water Works Company, Inc. (American Water) acquired California Water and Telephone in 1966.

The Baldwin Hills service area is centrally located in an unincorporated area of Los Angeles County southwest of downtown Los Angeles and just a few miles east of the Los Angeles International Airport.

On the west side of the service area, 340 acres were occupied by the Chevron Company of Southern California until 1991, when part of the property was divided and sold to Stocker Resources and Lewis Homes for residential development. Stocker Resources remains the largest water consumer in the area, using thousands of gallons of water every day to extract oil from the ground.

The water supply for the Baldwin Hills service area is obtained in nearly equal proportions from five wells owned by California American Water. Water is also purchased from the Metropolitan Water District (MWD) and the West Basin Municipal Water District.

Duarte Service Area

In 1854, Andreas Duarte diverted water from the San Gabriel River via canal to carry it on to Azusa Duarte Ranch. In 1859, a portion of the ranch south of the present Duarte Road was sold to Mr. N. Beardslee. Mr. Beardslee constructed a branch from the canal to serve his property. Property owners who purchased land in the southern area from Mr. Beardslee subsequently formed the Beardslee Water Ditch Company as a mutual water company. In 1882, owners from the Upper Duarte Ranch also formed a separate mutual water company. The two companies jointly claimed about one-third of the total flow from the San Gabriel River under rights established in the Compromise Agreement of 1890.

In 1901, the companies drilled wells to provide ground water during time of low river flow. The original ditches were replaced with large concrete gravity conduits. Portions of this system are still in use today.

As population grew, farm lands were subdivided and separate water distribution systems installed for domestic water use, in addition to the existing irrigation systems.

In 1947, the two mutual water companies merged to form Duarte Mutual Water Company. In 1958, the mutual water companies and the irrigation system came under the jurisdiction of the CPUC. In 1964, California Water and Telephone Company purchased the Duarte Water Company and in 1966, sold all of its California water properties to American Water.

San Marino Service Area

The San Marino service area lies ten miles northeast of downtown Los Angeles in the San Gabriel Valley. The administrative offices for the service area are located in the City of San Marino, which is named after the Italian republic. The service area includes San Marino and portions of neighboring Rosemead, San Gabriel, Temple City, El Monte and unincorporated areas of Pasadena.

The San Gabriel Mission was established in 1771 by Captain Juan Bautista De Anza along the first Spanish land route from Mexico to San Francisco. Individuals living in and around the Mission dug ditches and rows to transport irrigation water from the San Gabriel River to the Mission.

The service area is composed of two systems, referred to as the Upper System and the Lower System. Each produces about the same amount of water and in 1985 were linked by the installation of a 20-inch pipeline that stretches two and on-half miles.

Most of the water in the service area is produced from 22 wells. These wells are located in the San Gabriel and Raymond Basins. A connection to the MWD Southern California system provides supplementary water for use during peak demand periods and for blending water for water quality purposes.

PRESENT OPERATIONS OF THE LOS ANGELES DISTRICT

District Operations and Personnel

The combined Los Angeles District Operations Center for the Baldwin Hills, Duarte and San Marino service areas is located at 8657 Grand Ave., Rosemead California. The Center provides accommodations for distribution, meter reading, customer service, production and operating activities (i.e. valve and hydrant work, pipeline location and the inspection of capital projects), as well as office space for the Water Quality Superintendent. The Center also houses division and district vehicles and equipment, a yard for materials and supplies, a meter test shop and a water quality laboratory. The .75 Rosemead reservoir, two wells and booster facility with three boosters are all part of the operating system.

Service Areas

The Baldwin Hills service area provides public, domestic water utility service to an unincorporated area of Los Angeles County located northeast of the Los Angeles International Airport. The communities of View Park and Ladera Heights are within the service area.

The Duarte service area provides public, domestic water utility service to the cities of Duarte and Bradbury, a portion of the cities of Monrovia and Irwindale as well as an unincorporated county area. Irrigation service is also provided to customers in the cities of Duarte and Bradbury from a separate distribution system.

The San Marino service area provides public, domestic water utility service to the city of San Marino, a portion of the cities of Rosemead, San Gabriel, El Monte, Temple City and an unincorporated county area south of Pasadena.

Copies of service area maps are on file with the CPUC.

Sources of Water Supply

Baldwin Hills Service Area

Water supply for the Baldwin Hills service area comes from two primary sources: 1) wells pumping from the Main San Gabriel Basin and 2) from Fish Canyon run-off for irrigation and spreading purposes. Additionally, there are eight active wells and seven booster stations on the distribution system used to meet the demand of various pressure zones.

Duarte Service Area

Water supply for the Duarte service area comes from two primary sources: 1) wells pumping from the Central Basin and 2) from two connections with the MWD. Additionally, there are five active wells and four booster stations on the distribution system used to meet the demand of various pressure zones. There are four booster stations on the irrigation system.

San Marino Service Area

Water supply for the San Marino service area comes from two primary sources: 1) a connection with MWD located in Pasadena and 2) wells pumping from both the Raymond Basin and the Main San Gabriel Basin. An interconnection with the City of Pasadena has been established in the northwest portion of the service area to maintain supply during periods of high demand. Additionally, there are twelve active wells and seven booster stations on the distribution system used to meet the demand of various pressure zones.

The Los Angeles District has an on-going program to refurbish existing wells and restore them to their original capacity as equipment becomes less efficient and/or the failure of wells and well casings occurs. All present wells pump directly into the distribution system after appropriate water treatment is accomplished as needed.

ACQUISITION OF RIO PLAZA

HISTORY OF THE DISTRICT OPERATION

Rio Plaza – Included in Ventura County Operations/Los Angeles Rate Tariff

The Rio Plaza water system currently serves approximately 520 customers in the unincorporated community of El Rio, California, which is located near Oxnard. The Rio Plaza water system includes two active wells, two hydropneumatic tanks, two bolted steel storage tanks, a booster pump station, distribution pipelines, fire hydrants, and isolation valves. Water produced by the wells is pumped into the bolted steel storage tanks. Wells start when the level in the storage tanks fall below a low-level set point. When distribution system pressure falls below a low-level set point, the booster pump station pumps water from the storage tanks through the hydropneumatics tanks and into the distribution system. Sodium hypochlorite is injected at the intake of the bolted steel tanks to provide disinfection in the Rio Plaza distribution system.

The Rio Plaza distribution system includes distribution pipelines and appurtenances to convey water from the wells and storage tanks to Rio Plaza customers. All service connections in the Rio Plaza system are metered. The distribution system includes gate and butterfly valves to isolate portions of the distribution system for maintenance or an emergency, and fire hydrants for fire flow and community safety.

California American Water is also committed to a smooth transition of Rio Plaza into its current operations. The acquisition will be a tuck-in that will fold into the Ventura County District and operated with current staff. The close proximity of the Rio Plaza to the Ventura County District's Operations Center will accommodate swift response times by employees. Not only during the day, but at night, on weekends and during holidays. California American Water has worked extensively with Rio Plaza staff to transfer Rio Plaza customer and system asset data into the California American Water data systems prior to the acquisition to ensure a smooth and rapid transition. This will enable California American Water employees to promptly address customer concerns and issues on day one of the acquisition.

In addition, the system assets will be put on the same maintenance schedule currently used by California American Water. Upon acquisition, former Rio Plaza customers will have access to California American Water's resources and staff expertise. Including, but not limited to,

Engineering, Legal, Water Quality, Finance, Web Based Services and a Customer Service Center with 24/7 emergency access. This presence and accessibility will be beneficial to Rio Plaza customers. These benefits all represent an improvement to the service and resources currently available to Rio Plaza customers. The Commission recently approved the Rio Plaza acquisition in D.19-04-015.

ACQUISITION OF BELLFLOWER

HISTORY OF THE DISTRICT OPERATION

Bellflower – Los Angeles District Operations/Tariffs

Bellflower Municipal Water System (BMWS) serves approximately 1,827 customers, or about 10% of the residents of the City of Bellflower. The BMWS includes one active high-capacity well and three standby wells, three steel hydropneumatic storage tanks, distribution pipelines, fire hydrants, isolation valves, blow-off valves (BOVs), and six interconnections. The active well, known as the High Capacity Well 1 (HCW1) is currently operated by the Bellflower-Somerset Mutual Water Company (BSMWC). Water produced by the well is conveyed through the BSMWC distribution system to the BMWS service areas. Sodium hypochlorite and phosphate are injected in water produced by HCW1 for disinfection and to sequester iron and manganese from the produced water. The BMWS distribution system includes pipelines and appurtenances to convey water to customers in the BMWS service areas. All connections in the BMWS system are metered. The distribution system includes gate valves to isolate portions of the distribution system for maintenance or an emergency, BOVs to flush or drain the distribution system, and fire hydrants for fire flow and community safety. The BMWS distribution system includes six interconnections with neighboring distribution systems. Each interconnection includes two isolation valves, a pressure reducing valve, and a flow meter. Interconnections are opened as needed to either supply or receive water from neighboring water systems.

Based on the expected costs to administer the system and make improvements as the need to supplement system costs with general fund monies – the City Council decided the City's continued ownership of Bellflower Municipal was infeasible. The City then solicited bids from potential purchasers and ultimately selected California American Water's bid as the winner. The voters of Bellflower approved the sale in November 2016.

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables that summarize earnings information and calculations at present and proposed rates presented as follows:

Table 2.1 – Comparative Summary of Earnings

This table contains a detailed summary of earnings for the 2021 Test Year at present and proposed rates as filed by California American Water. The table also contains columns for the inclusion and comparison of a detailed summary of earnings for the 2021 Test Year at present and proposed rates that will be filed by the California Public Advocates (Cal PA) during the processing of the application. For further comparison, the table contains a column for details of the summary of earnings for the 2021 Test Year adopted by the CPUC in its final decision regarding this application.

Table 2.2 – Summary of Earnings at Proposed Rates

This table contains a detailed summary of earnings for 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year at Proposed rates as filed by California American Water in this application.

Table 2.3 – Summary of Earnings at Present Rates

This table contains a detailed summary of earnings for the recorded years 2014-2018, Estimated Years 2019 and 2020, Test Year 2021, Escalation Year 2022, and Attrition Year 2023 at present rates. A comparison to these amounts to the adopted amounts from the most recent rate case filed by California American Water at proposed rates is also included.

Table 2.4 – Summary of Revenue Requirement Calculation

This table contains calculations of revenue requirements for the 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year based on financial information presented by California American Water in this application.

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
COMPARATIVE SUMMARY OF EARNINGS
FOR TEST YEAR AT PRESENT AND PROPOSED RATES

Filing: **Final**

| (\$ 1,000's) | At Present Rates | | At Proposed Rates | | Adopted Rates |
|--------------------------------|------------------|--------|-------------------|--------|---------------|
| Description | CAW | CAL PA | CAW | CAL PA | CPUC |
| Operating Revenues | 106,411.4 | 0.0 | 123,306.2 | 0.0 | 0.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 8,144.6 | 0.0 | 8,144.6 | 0.0 | 0.0 |
| Purchased Water | 54,325.9 | 0.0 | 54,325.9 | 0.0 | 0.0 |
| Purchased Power | 2,357.2 | 0.0 | 2,357.2 | 0.0 | 0.0 |
| Chemicals | 122.8 | 0.0 | 122.8 | 0.0 | 0.0 |
| Operation and Maintenance | 5,423.7 | 0.0 | 5,423.7 | 0.0 | 0.0 |
| Customer Accounting | 823.3 | 0.0 | 823.3 | 0.0 | 0.0 |
| Uncollectibles | 531.3 | 0.0 | 619.3 | 0.0 | 0.0 |
| Insurance | 1,427.5 | 0.0 | 1,427.5 | 0.0 | 0.0 |
| Pensions and Benefits | 2,086.5 | 0.0 | 2,086.5 | 0.0 | 0.0 |
| Regulatory Expense | 225.7 | 0.0 | 225.7 | 0.0 | 0.0 |
| Rents | 1,034.5 | 0.0 | 1,034.5 | 0.0 | 0.0 |
| Other Administrative & General | 3,172.1 | 0.0 | 3,172.1 | 0.0 | 0.0 |
| Subtotal | 79,675.3 | 0.0 | 79,763.2 | 0.0 | 0.0 |
| Service Company | 5,032.2 | 0.0 | 5,032.2 | 0.0 | 0.0 |
| Citizens Acquisition Premium | 1,612.1 | 0.0 | 1,612.1 | 0.0 | 0.0 |
| GO Return on Rate Base | 1,353.6 | 0.0 | 1,353.6 | 0.0 | 0.0 |
| Return on and of UPAA | 1,553.1 | 0.0 | 1,553.1 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M Expenses | 89,226.4 | 0.0 | 89,314.3 | 0.0 | 0.0 |
| Depreciation | 9,369.6 | 0.0 | 9,369.6 | 0.0 | 0.0 |
| General Taxes | 2,955.9 | 0.0 | 2,955.9 | 0.0 | 0.0 |
| Total Operating Expenses | 101,551.9 | 0.0 | 101,639.8 | 0.0 | 0.0 |
| Income Before Income Taxes | 4,859.5 | 0.0 | 21,666.4 | 0.0 | 0.0 |
| State Income Taxes | (100.3) | 0.0 | 1,385.5 | 0.0 | 0.0 |
| Federal Income Taxes | (1,503.4) | 0.0 | 2,026.0 | 0.0 | 0.0 |
| Total Income Taxes | (1,603.7) | 0.0 | 3,411.5 | 0.0 | 0.0 |
| Utility Operating Income | 6,463.2 | 0.0 | 18,254.9 | 0.0 | 0.0 |
| Rate Base | 239,880.0 | 0.0 | 239,880.0 | 0.0 | 0.0 |
| Return on Rate Base | 2.69% | 0.00% | 7.61% | 0.00% | 0.00% |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER

Southern Division - 2019 GRC

SUMMARY OF EARNINGS AT PROPOSED RATES

| Description | Projected Test Year | | Escalation Year | | Attrition Year | | Reference |
|---|---------------------|-----------|-----------------|-----------|----------------|--|-------------------|
| | 2021 | 2022 | 2022 | 2023 | 2023 | | |
| Operating Revenues | 123,306.2 | 126,044.6 | | 130,411.7 | | | Tbl 2.4 |
| Operation & Maintenance Exp | | | | | | | |
| Labor | 8,144.6 | 8,375.0 | | 8,569.3 | | | Tbl 2.3 |
| Purchased Water | 54,325.9 | 54,515.5 | | 54,515.5 | | | Tbl 2.3 |
| Purchased Power | 2,357.2 | 2,413.9 | | 2,413.9 | | | Tbl 2.3 |
| Chemicals | 122.8 | 125.5 | | 128.4 | | | Tbl 2.3 |
| Operation Expense | 3,597.3 | 1,437.6 | | 1,449.4 | | | Tbl 2.3 |
| Maintenance (excluding Amort Tank Painting) | 884.9 | 904.5 | | 923.7 | | | Tbl 2.3 |
| Amortization of Tank Painting | 941.5 | 898.1 | | 918.9 | | | Tbl 2.3 |
| Customer Accounting | 823.3 | 841.7 | | 855.8 | | | Tbl 2.3 |
| Uncollectible Expense | 619.3 | 630.9 | | 640.2 | | | Tbl 2.3 |
| Insurance | 1,427.5 | 1,446.7 | | 1,467.5 | | | Tbl 2.3 |
| Pensions and Benefits | 2,086.5 | 2,183.6 | | 2,234.2 | | | Tbl 2.3 |
| Regulatory Expenses | 225.7 | 903.0 | | 903.0 | | | Tbl 2.3 |
| Rents | 1,034.5 | 968.2 | | 979.2 | | | Tbl 2.3 |
| Other Administrative & General | 3,172.1 | 3,094.7 | | 3,150.2 | | | Tbl 2.3 |
| Service Company Costs | 5,032.2 | 5,146.0 | | 5,270.0 | | | Tbl 2.3 |
| Citizens Acquisition Premium | 1,612.1 | 1,620.1 | | 1,628.4 | | | Tbl 2.3 |
| General Office Return on Rate Base | 1,353.6 | 1,396.6 | | 1,439.6 | | | Tbl 2.3 |
| Return on and of UPAA | 1,553.1 | 1,520.7 | | 1,488.4 | | | Tbl 2.3 |
| Sam Clemente Dam | 0.0 | 0.0 | | 0.0 | | | |
| Total O&M expenses | 89,314.3 | 88,422.1 | | 88,975.6 | | | Calculated |
| Depreciation | 9,369.6 | 10,391.8 | | 11,414.0 | | | Tbl 2.3 |
| General Taxes | 2,955.9 | 3,248.1 | | 3,562.4 | | | Tbl 2.3 / CH02 RO |
| Total Operating Expenses | 101,639.8 | 102,061.9 | | 103,952.0 | | | Calculated |
| Income Before Income Taxes | 21,666.4 | 23,982.6 | | 26,459.7 | | | Calculated |
| State Income Taxes | 1,385.5 | 1,532.7 | | 1,694.2 | | | Tbl 6.2 |
| Federal Income Taxes | 2,026.0 | 2,221.1 | | 2,562.6 | | | Tbl 6.2 |
| Total Income Taxes | 3,411.5 | 3,753.8 | | 4,256.8 | | | Calculated |
| Utility Operating Income | 18,254.9 | 20,228.9 | | 22,202.9 | | | Calculated |
| Average Rate Base | 239,880.0 | 265,819.8 | | 291,759.5 | | | Tbl 2.3 |
| Return on Rate Base | 7.61% | 7.61% | | 7.61% | | | Calculated |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
SUMMARY OF EARNINGS AT PRESENT RATES

Filing: Final

| Description | Recorded Years | | | | |
|---|----------------|-----------|-----------|-----------|-----------|
| | 2014 | 2015 | 2016 | 2017 | 2018 |
| (§ 1,000's) | 93,735.0 | 78,133.4 | 81,731.7 | 91,244.9 | 98,257.6 |
| Operating Revenues | | | | | |
| Operation & Maintenance Exp | | | | | |
| Labor | 6,865.7 | 7,146.3 | 7,212.3 | 7,308.0 | 7,000.3 |
| Purchased Water | 46,560.6 | 38,761.9 | 42,267.9 | 47,226.0 | 49,685.1 |
| Purchased Power | 2,735.7 | 2,029.5 | 2,123.1 | 2,006.6 | 2,227.3 |
| Chemicals | 120.6 | 103.6 | 113.2 | 123.5 | 123.2 |
| Operation Expense | 609.6 | 675.8 | 759.1 | 971.5 | 1,158.8 |
| Maintenance (excluding Amort Tank Painting) | 776.1 | 562.2 | 704.3 | 1,182.1 | 640.6 |
| Amortization of Tank Painting | 487.4 | 446.6 | 502.4 | 543.9 | 479.2 |
| Customer Accounting | 688.7 | 694.1 | 703.6 | 730.6 | 755.1 |
| Uncollectible Expense | 468.8 | 357.2 | 423.7 | 451.7 | 429.8 |
| Insurance | 942.2 | 1,317.1 | 899.4 | 974.5 | 906.2 |
| Pensions and Benefits | 2,006.6 | 1,978.4 | 2,228.7 | 2,368.0 | 1,985.6 |
| Regulatory Expenses | 632.8 | 188.5 | 316.8 | 606.7 | 119.9 |
| Rents | 811.2 | 849.8 | 839.9 | 845.3 | 839.8 |
| Other Administrative & General | 2,805.0 | 2,828.2 | 2,758.7 | 3,181.6 | 3,050.6 |
| Service Company Costs | 5,228.7 | 5,281.5 | 5,321.9 | 4,714.6 | 4,680.2 |
| Citizens Acquisition Premium | 1,445.6 | 1,395.9 | 1,346.3 | 1,325.4 | 1,593.1 |
| General Office Return on Rate Base | 645.5 | 762.5 | 848.0 | 726.4 | 823.7 |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M expenses | 73,830.9 | 65,379.3 | 69,369.2 | 75,286.5 | 76,498.6 |
| Depreciation | 5,280.6 | 5,484.4 | 6,012.6 | 6,387.2 | 6,786.5 |
| General Taxes | 1,999.2 | 1,984.2 | 2,088.0 | 2,062.8 | 2,163.9 |
| Total Operating Expenses | 81,110.7 | 72,848.0 | 77,469.8 | 83,736.5 | 85,449.0 |
| Income Before Income Taxes | 12,624.3 | 5,285.4 | 4,261.9 | 7,508.4 | 12,808.6 |
| State Income Taxes | 776.4 | 94.4 | (25.3) | 230.7 | 769.9 |
| Federal Income Taxes | 2,765.2 | 303.6 | (128.5) | 795.5 | 1,630.3 |
| Total Income Taxes | 3,541.6 | 398.0 | (153.8) | 1,026.1 | 2,400.2 |
| Utility Operating Income | 9,082.7 | 4,887.4 | 4,415.7 | 6,482.3 | 10,408.4 |
| Average Rate Base | 124,010.9 | 136,148.6 | 146,604.8 | 157,836.8 | 164,198.5 |
| Return on Rate Base | 7.32% | 3.59% | 3.01% | 4.11% | 6.34% |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC

SUMMARY OF EARNINGS AT PRESENT RATES

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Description | Estimated | | Projected Test Year | Escalation Year | Attrition Year | Last Authorized Test Year | Reference |
|---|-----------|-----------|------------------------|--------------------|-------------------|---------------------------------|---------------------|
| | 2019 | 2020 | | | | | |
| | 2021 | 2022 | | | | | |
| Operating Revenues | 105,914.4 | 106,012.0 | 106,411.4 | 123,473.2 | 126,044.6 | 102,874.5 | Ch 3, Tbl 3.17-3.18 |
| Operation & Maintenance Exp | | | | | | | |
| Labor | 7,719.4 | 7,923.3 | 8,144.6 | 8,375.0 | 8,569.3 | 6,704.2 | Ch 4, Tbl 4.1 |
| Purchased Water | 53,070.8 | 53,674.6 | 54,325.9 | 54,515.5 | 54,515.5 | 49,610.7 | Ch 4, Tbl 4.1 |
| Purchased Power | 2,288.5 | 2,316.0 | 2,357.2 | 2,413.9 | 2,413.9 | 2,455.6 | Ch 4, Tbl 4.1 |
| Chemicals | 118.8 | 120.6 | 122.8 | 125.5 | 128.4 | 91.4 | Ch 4, Tbl 4.1 |
| Operation Expense | 482.6 | 612.3 | 3,597.3 | 1,437.6 | 1,449.4 | 1,122.7 | Ch 4, Tbl 4.1 |
| Maintenance (excluding Amort Tank Painting) | 856.1 | 868.9 | 884.9 | 904.5 | 923.7 | 1,952.5 | Ch 4, Tbl 4.1 |
| Amortization of Tank Painting | 523.0 | 501.3 | 941.5 | 898.1 | 918.9 | 501.7 | Ch 4, Tbl 4.1 |
| Customer Accounting | 796.6 | 808.2 | 823.3 | 841.7 | 855.8 | 685.8 | Ch 4, Tbl 4.1 |
| Uncollectible Expense | 528.9 | 529.3 | 531.3 | 617.5 | 617.5 | 576.9 | Ch 4, Tbl 4.1 |
| Insurance | 825.2 | 860.6 | 1,427.5 | 1,446.7 | 1,467.5 | 987.5 | Ch 4, Tbl 4.1 |
| Pensions and Benefits | 1,826.3 | 2,035.8 | 2,086.5 | 2,183.6 | 2,234.2 | 1,831.2 | Ch 4, Tbl 4.1 |
| Regulatory Expenses | 622.5 | 622.5 | 225.7 | 903.0 | 903.0 | 418.8 | Ch 4, Tbl 4.1 |
| Rents | 833.0 | 852.2 | 1,034.5 | 968.2 | 979.2 | 847.7 | Ch 4, Tbl 4.1 |
| Other Administrative & General | 3,026.1 | 3,118.0 | 3,172.1 | 3,094.7 | 3,150.2 | 2,700.1 | Ch 4, Tbl 4.1 |
| Service Company Costs | 4,884.9 | 4,945.9 | 5,032.2 | 5,146.0 | 5,270.0 | 4,432.6 | Ch 4, Tbl 4.1 |
| Citizens Acquisition Premium | 1,598.8 | 1,605.3 | 1,612.1 | 1,620.1 | 1,628.4 | 1,579.8 | Ch 4, Tbl 4.1 |
| General Office Return on Rate Base | 891.3 | 1,170.1 | 1,353.6 | 1,396.6 | 1,439.6 | 917.8 | Ch 4, Tbl 4.1 |
| Return on and of UPAA | 0.0 | 0.0 | 1,553.1 | 1,520.7 | 1,488.4 | 0.0 | Ch 4, Tbl 4.1 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 |
| Total O&M expenses | 80,892.9 | 82,564.9 | 89,226.4 | 88,408.7 | 88,952.9 | 77,417.0 | Calculated |
| Depreciation | 7,427.3 | 8,346.7 | 9,369.6 | 10,391.8 | 11,414.0 | 7,108.8 | SE RO |
| General Taxes | 2,243.9 | 2,587.6 | 2,955.9 | 3,248.1 | 3,562.4 | 2,207.6 | Ch 5, Tbl 5.1 |
| Total Operating Expenses | 90,564.0 | 93,499.2 | 101,551.9 | 102,048.5 | 103,929.2 | 86,733.4 | Calculated |
| Income Before Income Taxes | 15,350.3 | 12,512.8 | 4,859.5 | 21,424.6 | 22,115.3 | 16,141.1 | Calculated |
| State Income Taxes | 962.9 | 660.3 | (100.3) | 1,306.6 | 1,310.1 | 1,052.9 | Ch 6, Tbl 6.1-6.2 |
| Federal Income Taxes | 2,058.2 | 1,345.1 | (1,503.4) | 1,683.9 | 1,650.3 | 2,174.6 | Ch 6, Tbl 6.1-6.2 |
| Total Income Taxes | 3,021.1 | 2,005.4 | (1,603.7) | 2,990.5 | 2,960.4 | 3,227.6 | Calculated |
| Utility Operating Income | 12,329.2 | 10,507.4 | 6,463.2 | 18,434.2 | 19,154.9 | 12,913.5 | Calculated |
| Average Rate Base | 178,630.6 | 201,983.3 | 239,880.0 | 265,819.8 | 291,759.5 | 169,690.6 | Ch 9, Tbl 9.1 |
| Return on Rate Base | 6.90% | 5.20% | 2.69% | 6.93% | 6.57% | 7.61% | Calculated |

SUMMARY OF REVENUE REQUIREMENT CALCULATION

| (\$ 1,000's) | Projected Test Year | Escalation Year | Attrition Year | |
|---|------------------------|--------------------|-------------------|---------------|
| Description | 2021 | 2022 | 2023 | Reference |
| Weighted Average Rate Base | 239,880.0 | 265,819.8 | 291,759.5 | Ch 9, Tbl 9.1 |
| Rate of Return Requested | 7.61% | 7.61% | 7.61% | |
| Utility Operating Income Required | 18,254.9 | 20,228.9 | 22,202.9 | Calculated |
| At Present Rates | 6,463.2 | 18,434.2 | 19,154.9 | Ch 2, Tbl 2.3 |
| Increase (Decrease) in UOI Required | 11,791.7 | 1,794.7 | 3,048.0 | Calculated |
| Net to Gross Multiplier | 1.43277 | 1.43278 | 1.43278 | CH02 RO |
| Gross Revenues | | | | |
| Incr (Decr) in Revenues Required | 16,894.8 | 2,571.4 | 4,367.1 | Calculated |
| Revenues at Present Rates | 106,411.4 | 123,473.2 | 126,044.6 | Ch 2, Tbl 2.3 |
| Revenues at Proposed Rates | 123,306.2 | 126,044.6 | 130,411.7 | Calculated |
| Percent Incr (Decr) in Revenues | 15.88% | 2.08% | 3.46% | Calculated |
| 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DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables used to forecast customers, water sales and operating revenues as filed by California American Water in this application and is presented as follows:

Table 3.1 through Table 3.6

These tables contain information regarding projections of the number of customers for the Southern Division, which includes the San Diego, Ventura, Los Angeles County, Rio Plaza, and Bellflower Districts of California American Water presented in this application. The number of customers forecasted to be served by the district during 2019 through 2022 was determined by using a five year historical growth average and adjusted for growth due to acquisitions, if applicable.

Table 3.7 through 3.15

These tables contain water sales and water production information for the Southern Division of California American Water as filed in this application. An average use per customer is determined based on total consumption divided by the number of billed days.

Consumption estimates for the Test Year 2021 and Escalation Year 2022 are derived from the average use per customer for the two latest recorded years multiplied against the projected average number of customers per classification.

Table 3.16 through 3.22

These tables contain operating revenue information for the Southern Division of California American Water presented in this application.

Revenues at present rates for the 2019-2020 result from forecasted customers and sales presented in this Chapter and rates currently or anticipated to be in effect. For this calculation, California American Water included surcharges for purchased water offsets as part of base revenues since these are rolled back into base rates at the start of the Test Year.

Revenues at proposed rates for 2021 and 2022 are determined by taking the proposed service and volumetric rates necessary to meet California American Water's projected

revenue requirement multiplied by forecasted customers and sales. The revenues result from applying the overall proposed increase as determined in the revenue requirement to all of the present rates from the preceding year.

Miscellaneous Service revenues for the 2021 Test Year include forecasted amounts related to Non Sufficient Funds (NSF) fees, Reconnection and Late Fees, Antenna Lease, and Deferred Contribution to Revenues. Conservation and PUC fees have been excluded as they represent charges that are separate and above the base revenue requirement. The presentation in this chapter does not reflect any effects from surcharges requested in this application. However, California American Water has included surcharges in its bill impact analysis where applicable.

Method 5 Amortization revenue is based on the amortization of deferred Contribution in Aid of Construction revenues from Table 9.1.

California American Water
Southern Division - 2019 GRC
CUSTOMERS AT YEAR END
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 62,151 | 62,185 | 62,448 | 62,564 | 62,730 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 5,686 | 5,683 | 5,690 | 5,764 | 5,767 |
| 6. | Industrial | INDR | 230 | 228 | 231 | 235 | 234 |
| 7. | Public Authority | OPUA | 801 | 805 | 806 | 781 | 793 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 27 | 20 | 33 | 35 | 40 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 9 | 5 | 4 | 1 | 2 |
| 12. | Irrigation Gravity | IRRG | 2 | 2 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 46 | 44 | 37 | 20 | 14 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,082 | 1,095 | 1,090 | 1,105 | 1,105 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 70,034 | 70,067 | 70,339 | 70,505 | 70,685 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

California American Water
Southern Division - 2019 GRC
CUSTOMERS AT YEAR END
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|---|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 62,638 | 65,114 | 65,259 | 65,389 | 65,519 | 65,650 |
| 2. | Multiresidential | MRES | 0 | 35 | 35 | 35 | 35 | 35 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 5,692 | 5,838 | 5,861 | 5,883 | 5,906 | 5,929 |
| 5. | Industrial | INDR | 228 | 235 | 236 | 238 | 239 | 240 |
| 6. | Public Authority | OPUA | 811 | 793 | 790 | 787 | 784 | 782 |
| 7. | Sales for Resale | SLFR | 1 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 15 | 46 | 48 | 51 | 53 | 56 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 5 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 2 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 44 | 6 | (0) | (0) | (0) | (0) |
| 13. | Private Fire | RFPS | 0 | 80 | 80 | 80 | 80 | 80 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PPPS | 1,114 | 1,105 | 1,105 | 1,105 | 1,105 | 1,105 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | | 70,550 | 73,252 | 73,414 | 73,568 | 73,722 | 73,876 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

California American Water
Southern Division - 2019 GRC
CUSTOMERS AT YEAR END

Filing: Final

CALCULATION OF PERCENT CHANGE IN CUSTOMERS AT YEAR END

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|-----------------------------|-------|----------------|---------|----------|---------|---------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.05% | 0.42% | 0.19% | 0.27% | 3.80% | 0.20% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -0.05% | 0.12% | 1.30% | 0.05% | 1.23% | 0.39% |
| 6. | Industrial | INDR | N/A | -0.87% | 1.32% | 1.73% | -0.43% | 0.51% | 0.51% |
| 7. | Public Authority | OPUA | N/A | 0.50% | 0.12% | -3.10% | 1.54% | 0.01% | -0.37% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -25.93% | 65.00% | 6.06% | 14.29% | 13.75% | 5.21% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | -44.44% | -20.00% | -75.00% | 100.00% | -100.00% | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | 0.00% | -100.00% | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -4.35% | -15.91% | -45.95% | -30.00% | -54.14% | -13.16% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 1.20% | -0.46% | 1.38% | 0.00% | 0.00% | 0.00% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | 0.48% | 0.22% | 0.31% | 0.24% | 3.63% | 0.21% |
| References: Recorded year % calculated by dividing the # customers by prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr # customers by last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

California American Water
Southern Division - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 61,990 | 62,170 | 62,318 | 62,508 | 62,648 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 5,568 | 5,686 | 5,688 | 5,729 | 5,767 |
| 6. | Industrial | INDR | 231 | 230 | 231 | 234 | 235 |
| 7. | Public Authority | OPUA | 780 | 804 | 806 | 794 | 789 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 26 | 24 | 27 | 35 | 38 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 8 | 7 | 5 | 3 | 2 |
| 12. | Irrigation Gravity | IRRG | 2 | 2 | 1 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 46 | 45 | 41 | 29 | 17 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,070 | 1,090 | 1,093 | 1,098 | 1,106 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 69,721 | 70,058 | 70,210 | 70,430 | 70,602 |
| Reference: Line 17 is sum of lines 2 thru 16 Average calculated using current and prior period-end customers. | | | | | | | |

California American Water
Southern Division - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|--------------------------|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 62,638 | 65,049 | 65,186 | 65,324 | 65,455 | 65,584 |
| 2. | Multiresidential | MRES | 0 | 35 | 35 | 35 | 35 | 35 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMIM | 5,692 | 5,827 | 5,850 | 5,872 | 5,895 | 5,918 |
| 5. | Industrial | INDR | 228 | 234 | 236 | 237 | 238 | 239 |
| 6. | Public Authority | OPUA | 811 | 795 | 791 | 789 | 786 | 782 |
| 7. | Sales for Resale | SLFR | 1 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 15 | 44 | 47 | 49 | 53 | 54 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 5 | 1 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 2 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 44 | 10 | 3 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 80 | 80 | 80 | 80 | 80 |
| 14. | Private Fire Mandated | RPPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PPFS | 1,111 | 1,105 | 1,105 | 1,105 | 1,105 | 1,105 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 70,547 | 73,180 | 73,333 | 73,491 | 73,647 | 73,797 |

References: Line 17 is sum of lines 2 thru 16
Average calculated using current and prior period-end customers.

California American Water
Southern Division - 2019 GRC

AVERAGE NUMBER OF CUSTOMERS

CALCULATION OF PERCENT CHANGE IN AVERAGE NUMBER OF CUSTOMERS

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|-----------------------------|-------|----------------|---------|---------|----------|---------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.29% | 0.24% | 0.30% | 0.22% | 3.83% | 0.21% | |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | 2.12% | 0.04% | 0.72% | 0.66% | 1.04% | 0.38% | |
| 6. | Industrial | INDR | N/A | -0.43% | 0.43% | 1.30% | 0.43% | -0.43% | 0.42% | |
| 7. | Public Authority | OPUA | N/A | 3.08% | 0.25% | -1.49% | -0.63% | 0.76% | -0.25% | |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 9. | Other | OTHR | N/A | -7.69% | 12.50% | 29.63% | 8.57% | 15.79% | 4.26% | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | -12.50% | -28.57% | -40.00% | -33.33% | -50.00% | N/A | |
| 12. | Irrigation Gravity | IRRG | N/A | 0.00% | -50.00% | -100.00% | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | -2.17% | -8.89% | -29.27% | -41.38% | -41.18% | -100.00% | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | 1.87% | 0.28% | 0.46% | 0.73% | -0.09% | 0.00% | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | 0.48% | 0.22% | 0.31% | 0.24% | 3.65% | 0.22% | |
| References: | | | | | | | | | | |
| Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. | | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. | | | | | | | | | | |
| Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|---------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 205.6 | 161.2 | 157.5 | 165.5 | 172.3 |
| 3. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMM | 881.1 | 761.5 | 760.5 | 790.4 | 803.5 |
| 6. | Industrial | INDR | 4,013.2 | 3,175.4 | 3,006.7 | 2,992.5 | 2,809.3 |
| 7. | Public Authority | OPUA | 2,287.5 | 1,474.1 | 1,585.3 | 1,659.0 | 1,779.2 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 1,257.8 | 1,374.3 | 2,190.0 | 853.0 | 1,257.4 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 1,358.6 | 183.3 | 2,531.4 | 2,056.2 | 1,987.7 |
| 12. | Irrigation Gravity | IRRG | 839.0 | 665.5 | 1,331.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 3,610.3 | 2,927.2 | 3,212.8 | 4,542.2 | 7,748.5 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | TOTAL | | 295.1 | 234.5 | 232.5 | 242.2 | 250.4 |
| References: Line 17 is total consumption TBL 3.10 divided by average customers TBL 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|--------------------------|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 189.6 | 174.4 | 174.3 | 174.2 | 174.1 | 174.0 |
| 2. | Multiresidential | MRES | 0.0 | 407.0 | 407.0 | 407.0 | 407.0 | 407.0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Commercial | COMM | 840.3 | 827.1 | 828.3 | 829.5 | 830.7 | 831.8 |
| 5. | Industrial | INDR | 3,602.7 | 2,975.9 | 2,991.2 | 3,004.1 | 3,016.9 | 3,040.1 |
| 6. | Public Authority | OPUA | 1,882.5 | 1,518.2 | 1,518.3 | 1,518.1 | 1,517.7 | 1,518.3 |
| 7. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | Other | OTHR | 1,385.3 | 1,370.9 | 1,494.0 | 1,475.8 | 1,584.1 | 1,587.1 |
| 9. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Construction | CSTR | 771.0 | 2,643.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Irrigation Gravity | IRRG | 941.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Irrigation Pressure | IRRP | 941.2 | 6,914.8 | 6,914.7 | 0.0 | 0.0 | 0.0 |
| 13. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | | | | | | | | |
| 23. | | 0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. | TOTAL | | 270.4 | 248.8 | 248.4 | 248.3 | 248.5 | 248.6 |

References: Line 17 is total consumption TBL 3.11 divided by average customers TBL 3.45

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC

Filing: Final

AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)

CALCULATION OF PERCENT CHANGE IN ANNUAL CONSUMPTION PER CUSTOMER

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|--------|---------|---------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -21.6% | -2.2% | 5.0% | 4.1% | 1.2% | 0.0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -13.6% | -0.1% | 3.9% | 1.7% | 2.9% | 0.1% |
| 6. | Industrial | INDR | N/A | -20.9% | -5.3% | -0.5% | -6.1% | 5.9% | 0.4% |
| 7. | Public Authority | OPUA | N/A | -35.6% | 7.5% | 4.7% | 7.2% | -14.7% | 0.0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | 9.3% | 59.4% | -61.0% | 47.4% | 9.0% | -1.2% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | -86.5% | 1281.2% | -18.8% | -3.3% | 33.0% | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | -20.7% | 100.0% | -100.0% | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -18.9% | 9.8% | 41.4% | 70.6% | -10.8% | -100.0% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | -20.5% | -0.9% | 4.2% | 3.4% | -0.6% | -0.1% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 12,747,501 | 10,018,792 | 9,817,810 | 10,342,355 | 10,794,606 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 4,905,939 | 4,330,113 | 4,325,493 | 4,527,921 | 4,633,897 |
| 6. | Industrial | INDR | 927,041 | 730,331 | 694,537 | 700,234 | 660,179 |
| 7. | Public Authority | OPUA | 1,784,239 | 1,185,209 | 1,277,744 | 1,317,260 | 1,403,759 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 32,703 | 32,982 | 59,129 | 29,857 | 47,780 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 10,869 | 1,283 | 12,657 | 6,168 | 3,975 |
| 12. | Irrigation Gravity | IRRG | 1,678 | 1,331 | 1,331 | 1,331 | 1,331 |
| 13. | Irrigation Pressure | IRRP | 166,072 | 131,724 | 131,724 | 131,724 | 131,724 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 20,576,042.4 | 16,431,765.3 | 16,320,425.6 | 17,056,850.8 | 17,677,250.9 |

References: Line 17 is sum of lines 2 thru 16

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 | Escalation Year 2023 |
|---|---------------------------------|-------|---------------------------|----------------|----------------|-------------------------|----------------------|----------------------|
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 11,875,174 | 11,341,525 | 11,359,843 | 11,378,416 | 11,395,517 | 11,412,249 |
| 3. | Multiresidential | MRES | 0 | 14,244 | 14,244 | 14,244 | 14,244 | 14,244 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 4,782,893 | 4,819,463 | 4,845,623 | 4,870,993 | 4,896,717 | 4,922,875 |
| 6. | Industrial | INDR | 821,406 | 696,370 | 705,931 | 711,976 | 718,021 | 726,594 |
| 7. | Public Authority | OPUA | 1,526,703 | 1,206,975 | 1,200,942 | 1,197,772 | 1,192,908 | 1,187,340 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 20,780 | 60,321 | 70,217 | 72,315 | 83,957 | 85,704 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 3,855 | 2,643 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 1,882 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 41,413 | 69,148 | 20,744 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 19,074,106 | 18,210,689 | 18,217,544 | 18,245,716 | 18,301,364 | 18,349,006 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC

Filing: Final

TOTAL ANNUAL CONSUMPTION (CCF)

CALCULATION OF PERCENT CHANGE IN TOTAL ANNUAL CONSUMPTION

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|--------|--------|--------|--------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -21.4% | -2.0% | 5.3% | 4.4% | 5.1% | 0.2% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -11.7% | -0.1% | 4.7% | 2.3% | 4.0% | 0.5% |
| 6. | Industrial | INDR | N/A | -21.2% | -4.9% | 0.8% | -5.7% | 5.5% | 0.9% |
| 7. | Public Authority | OPUA | N/A | -33.6% | 7.8% | 3.1% | 6.6% | -14.0% | -0.3% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | 0.9% | 79.3% | -49.5% | 60.0% | 26.2% | 3.0% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | -88.2% | 886.6% | -51.3% | -35.6% | -33.5% | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | -20.7% | 0.0% | 0.0% | 0.0% | -100.0% | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -20.7% | 0.0% | 0.0% | 0.0% | -47.5% | -100.0% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Sub-Total | | N/A | -20.1% | -0.7% | 4.5% | 3.6% | 3.0% | 0.2% |
| <p>References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1.</p> | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
WATER PRODUCTION (KCCF)
RECORDED

Filing: Final

| Line No. | Description | RECORDED YEARS | | | | |
|--|--------------------------------|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Sales | 20,576.0 | 16,431.8 | 16,320.4 | 17,056.9 | 17,677.3 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 20,576.0 | 16,431.8 | 16,320.4 | 17,056.9 | 17,677.3 |
| 4. | Non Revenue | 1,055.5 | 1,061.5 | 1,165.9 | 1,761.2 | 1,600.4 |
| 5. | Total Water Requirement | 21,631.5 | 17,493.3 | 17,486.3 | 18,818.0 | 19,277.6 |
| 6. | Non Revenue Water % | 4.9% | 6.1% | 6.7% | 9.4% | 8.3% |
| 7. | Equivalent Acre Feet | 49,659.2 | 40,159.0 | 40,143.0 | 43,200.2 | 44,255.4 |
| 8. | Total Water Requirement in CCF | 21,631,550 | 17,493,257 | 17,486,311 | 18,818,026 | 19,277,642 |
| References: Line 1 Metered sales per Table 3.10 | | | | | | |
| Other Consumption per [insert text if applicable] | | | | | | |
| Line 3 is sum of lines 2 and 3. | | | | | | |
| Line 4 is line 5 less line 3 | | | | | | |
| Line 5 is per MDR IIE.2 | | | | | | |
| Line 6 is line 4 divided by line 5. | | | | | | |
| Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. | | | | | | |
| Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
WATER PRODUCTION (KCCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|--|--------------------------------|---------------------------|------------|------------|--------------------|------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | |
| 1. | Metered Sales | 19,074.1 | 18,210.7 | 18,217.5 | 18,245.7 | 18,301.4 | |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 3. | Total Consumption | 19,074.1 | 18,210.7 | 18,217.5 | 18,245.7 | 18,301.4 | |
| 4. | Non Revenue | 1,355.4 | 1,343.0 | 1,343.0 | 1,343.0 | 1,343.0 | |
| 5. | Total Water Requirement | 20,429.5 | 19,553.7 | 19,560.6 | 19,588.7 | 19,644.4 | |
| 6. | Non Revenue Water % | 6.6% | 6.9% | 6.9% | 6.9% | 6.8% | |
| 7. | Equivalent Acre Feet | 46,899.7 | 44,889.2 | 44,904.9 | 44,969.6 | 45,097.3 | |
| 8. | Total Water Requirement in CCF | 20,429,500 | 19,553,722 | 19,560,577 | 19,588,749 | 19,644,397 | |
| References: Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert to CCF. | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
WATER PRODUCTION (KCCF)

Filing: **Final**

CALCULATION OF PERCENT CHANGE IN WATER PRODUCTION

| Line No. | Description | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|--------------------------------|----------------|--------|-------|-------|--------|---------------------------|--------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Sales | N/A | -20.1% | -0.7% | 4.5% | 3.6% | -4.5% | 0.2% |
| 2. | Other Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Total Consumption | N/A | -20.1% | -0.7% | 4.5% | 3.6% | -4.5% | 0.2% |
| 4. | Non Revenue | N/A | 0.6% | 9.8% | 51.1% | -9.1% | -0.9% | 0.0% |
| 5. | Total Water Requirement | N/A | -19.1% | 0.0% | 7.6% | 2.4% | -4.3% | 0.1% |
| 6. | Non Revenue Water % | N/A | 24.4% | 9.9% | 40.4% | -11.3% | 3.5% | -0.1% |
| 7. | Equivalent Acre Feet | N/A | -19.1% | 0.0% | 7.6% | 2.4% | -4.3% | 0.1% |
| 8. | Total Water Requirement in CCF | N/A | -19.1% | 0.0% | 7.6% | 2.4% | -4.3% | 0.1% |
| References: Recorded year % calculated by dividing current year data by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr data point by last authorized level and subtracting 1. Proposed test year % calculated by dividing the test year data point by the prior year estimated level and subtracting 1. | | | | | | | | |

California American Water
Southern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|--------------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | \$130,163,414 | \$154,375,958 | \$24,212,544 | 18.60% |
| 3. | Multiresidential | MRES | 49,924 | 29,592 | (20,332) | -40.73% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 56,359,030 | 63,056,738 | 6,697,708 | 11.88% |
| 6. | Industrial | INDR | 7,918,760 | 8,819,694 | 900,934 | 11.38% |
| 7. | Public Authority | OPUA | 14,566,328 | 16,347,368 | 1,781,040 | 12.23% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 674,632 | 772,366 | 97,734 | 14.49% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 8,484 | 20,528 | 12,044 | 141.96% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RPFS | 162,080 | 182,660 | 20,580 | 12.70% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PPFS | 1,447,610 | 1,304,588 | (143,022) | -9.88% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 211,350,262 | 244,909,492 | 33,559,230 | 15.88% |

California American Water
Southern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| Non-Metered Customers | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 211,350,262 | 244,909,492 | 33,559,230 | 15.88% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 115,069 | 115,069 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 31. | Misc Service Revenues | MISC | 621,182 | 621,182 | 0 | 0.00% |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 33. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 36. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 37. | | | 736,251 | 736,251 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 736,251 | 736,251 | 0 | 0.00% |

California American Water
Southern Division - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing:

Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|----------------|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0.00% |
| | | | | | | |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$212,086,513 | \$245,645,743 | \$33,559,230 | 15.82% |
| 49. | Revenues per Avg Customer | | \$2,886 | \$3,343 | \$457 | 15.82% |
| | | | | | | |
| | | | | | | |

California American Water
Southern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|-----------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | 154,569,860 | 157,562,556 | 2,992,696 | 1.94% |
| 3. | Multiresidential | MRES | 29,592 | 30,520 | 928 | 3.14% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 63,342,710 | 64,778,502 | 1,435,792 | 2.27% |
| 6. | Industrial | INDR | 8,889,868 | 8,870,276 | (19,592) | -0.22% |
| 7. | Public Authority | OPUA | 16,292,820 | 16,662,262 | 369,442 | 2.27% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 821,726 | 851,850 | 30,124 | 3.67% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 20,528 | 20,482 | (46) | -0.22% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RPFS | 213,156 | 220,880 | 7,724 | 3.62% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PPFS | 1,304,588 | 1,304,576 | (12) | 0.00% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 245,484,848 | 250,301,904 | 4,817,056 | |

California American Water
Southern Division - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|------------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 20. | Non-Metered Customers | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 245,484,848 | 250,301,904 | 4,817,056 | 1.96% |
| 27. | Other Revenues | | | | | |
| 28. | Method 5 Revenues | METH | 109,573 | 109,573 | 0 | 0.00% |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 32. | Misc Service Revenues | MISC | 621,182 | 621,182 | 0 | 0.00% |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 34. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 37. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 730,756 | 730,756 | 0 | 0.00% |

California American Water
Southern Division - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing:

Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|---|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | | | | |
| | | | | | | |
| | | | | | | |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$246,215,604 | \$251,032,660 | \$4,817,056 | 1.96% |
| 49. | Revenues per Avg Customer | | \$3,343 | \$3,409 | \$65 | 1.96% |
| References: Table 3.18 for revenues @ present rates Table 3.21 for revenues @ proposed rates | | | | | | |

California American Water
Southern Division - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | \$56,927,603 | \$46,213,727 | \$47,709,715 | \$54,203,030 | \$58,623,630 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 23,131,584 | 20,582,717 | 21,770,013 | 24,191,906 | 25,998,672 |
| 6. | Industrial | INDR | 3,881,939 | 3,483,306 | 3,510,204 | 3,708,547 | 3,618,636 |
| 7. | Public Authority | OPUA | 8,144,393 | 6,131,712 | 6,918,256 | 7,338,847 | 8,280,820 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 172,198 | 135,505 | 208,560 | 195,389 | 169,939 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 54,306 | 82,100 | 107,473 | 84,008 | 65,032 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 316,666 | 265,817 | 282,164 | 212,079 | 119,123 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 835,347 | 795,268 | 696,364 | 783,026 | 809,560 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 93,464,036 | 77,690,151 | 81,202,749 | 90,716,831 | 97,685,411 |

California American Water

Southern Division - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 93,464,036 | 77,690,151 | 81,202,749 | 90,716,831 | 97,685,411 |
| Other Revenues | | | | | | | |
| 28. | Method 5 Revenues | METH | 171,573 | 171,573 | 27,332 | 43,076 | 25,320 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 24,228 | 19,044 | 0 | 253 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 75,121 | 252,590 | 501,585 | 484,761 | 546,855 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 270,922 | 443,207 | 528,917 | 528,090 | 572,176 |

California American Water
Southern Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-------------|---------------------------|-------|--|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$93,734,959 | \$78,133,358 | \$81,731,666 | \$91,244,921 | \$98,257,587 |
| 49. | Revenues per Avg Customer | | \$1,344 | \$1,115 | \$1,164 | \$1,296 | \$1,392 |
| References: | | | Line 41 is sum of lines 32 and 40 | | | | |
| | | | Line 19 is sum of lines 15 thru 18 | | | | |
| | | | Line 32 is sum of lines 22 thru 31 | | | | |
| | | | Line 40 is sum of lines 34 and 39 | | | | |
| | | | Line 42 is sum of lines 20 and 41 | | | | |
| | | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |

California American Water
Southern Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-------------------------|-----------------------------|-------|---------------------------|-------------|-------------|--------------------|-----------------|
| | | | | 2018 | 2019 | 2020 | 2021 |
| Metered Water Customers | | | | | | | |
| 1. | Residential | SRES | 62,799,569 | 64,876,771 | 64,978,805 | 65,081,707 | 77,284,930 |
| 2. | Multiresidential | MRES | 0 | 56,413 | 56,413 | 24,962 | 14,796 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 25,948,797 | 27,908,283 | 28,046,517 | 28,179,515 | 31,671,355 |
| 5. | Industrial | INDR | 4,181,410 | 3,872,928 | 3,925,566 | 3,959,380 | 4,444,934 |
| 6. | Public Authority | OPUA | 8,491,094 | 7,336,070 | 7,304,023 | 7,283,164 | 8,146,410 |
| 7. | Sales for Resale | SLFR | 5,778 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 162,962 | 311,330 | 324,264 | 337,316 | 410,863 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 30,999 | 17,564 | 4,242 | 4,242 | 10,264 |
| 11. | Irrigation Gravity | IRRG | 8,270 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 188,619 | 294,396 | 88,317 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 52,423 | 66,651 | 81,040 | 106,578 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 735,075 | 723,805 | 723,805 | 723,805 | 652,294 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 102,552,573 | 105,449,983 | 105,518,603 | 105,675,131 | 122,742,424 |

California American Water
Southern Division - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|----------|----------------------------|-------|---------------------------|-------------|-------------|--------------------|-----------------|
| | | | | 2019 | 2020 | | |
| 20. | Non-Metered Customers | | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | | | | | |
| | | | 102,552,573 | 105,449,983 | 105,518,603 | 105,675,131 | 122,742,424 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 34,190 | 92,187 | 121,238 | 115,069 | 109,573 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 252,590 | 372,182 | 372,182 | 621,182 | 621,182 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 286,780 | 464,369 | 493,421 | 736,251 | 730,756 |

California American Water
Southern Division - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 |
|--|---------------------------|-------|---------------------------|----------------|----------------|-------------------------|----------------------|
| Reserved Future Use | | | | | | | |
| 39. | | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| Reserved Future Use | | | | | | | |
| | | | | | | | |
| 48. | Total Operating Revenues | | \$102,839,353 | \$105,914,352 | \$106,012,024 | \$106,411,382 | \$123,473,180 |
| 49. | Revenues per Avg Customer | | \$1,458 | \$1,447 | \$1,446 | \$1,448 | \$1,677 |
| | | | | | | | |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water
Southern Division - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|-----------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | 2021 |
| 2. | Residential | SRES | N/A | -19% | 3% | 14% | 8% | 11% | 0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -11% | 6% | 11% | 7% | 7% | 0% |
| 6. | Industrial | INDR | N/A | -10% | 1% | 6% | -2% | 7% | 1% |
| 7. | Public Authority | OPUA | N/A | -25% | 13% | 6% | 13% | -11% | 0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -21% | 54% | -6% | -13% | 83% | 4% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | 51% | 31% | -22% | -23% | -73% | -76% |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -16% | 6% | -25% | -44% | 147% | -70% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 27% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | -5% | -12% | 12% | 3% | -11% | 0% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -17% | 5% | 12% | 8% | 8% | 0% |

California American Water
Southern Division - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|-----------------------|----------------------------|-------|----------------|------|-------|------|-------|---------------------------|--------------------|-----|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| Non-Metered Customers | | | | | | | | | | |
| 20. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Total Water Revenues | | | | | | | | | | |
| 26. | | | N/A | -17% | 5% | 12% | 8% | 8% | 0% | |
| Other Revenues | | | | | | | | | | |
| 27. | Method 5 Revenues | METH | N/A | 0% | -84% | 58% | -41% | 264% | 32% | |
| 28. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 29. | Antenna Leases | ANTL | N/A | -21% | -100% | N/A | -100% | N/A | N/A | N/A |
| 30. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Misc Service Revenues | MISC | N/A | 236% | 99% | -3% | 13% | -32% | 0% | |
| 32. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 33. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | | | N/A | 64% | 19% | 0% | 8% | -19% | 6% | |
| 38. | Subtotal Other Revenues | | N/A | | | | | | | |

California American Water
Southern Division - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -17% | 5% | 12% | 8% | 8% | 0% |
| 49. | Revenues per Avg Customer | | N/A | -17% | 4% | 11% | 7% | 4% | 0% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: **Final**

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | 56,927,603 | 46,213,727 | 47,709,715 | 54,203,030 | 58,623,630 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 23,131,584 | 20,582,717 | 21,770,013 | 24,191,906 | 25,998,672 |
| 6. | Industrial | INDR | 3,881,939 | 3,483,306 | 3,510,204 | 3,708,547 | 3,618,636 |
| 7. | Public Authority | OPUA | 8,144,393 | 6,131,712 | 6,918,256 | 7,338,847 | 8,280,820 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 172,198 | 135,505 | 208,560 | 195,389 | 169,939 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 54,306 | 82,100 | 107,473 | 84,008 | 65,032 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 316,666 | 265,817 | 282,164 | 212,079 | 119,123 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 835,347 | 795,268 | 696,364 | 783,026 | 809,560 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 93,464,036 | 77,690,151 | 81,202,749 | 90,716,831 | 97,685,411 |

CALIFORNIA AMERICAN WATER

Southern Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| Total Water Revenues | | | | | | | |
| 26. | | | 93,464,036 | 77,690,151 | 81,202,749 | 90,716,831 | 97,685,411 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 171,573 | 171,573 | 27,332 | 43,076 | 25,320 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 29. | Antenna Leases | ANTL | 24,228 | 19,044 | 0 | 253 | 0 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 75,121 | 252,590 | 501,585 | 484,761 | 546,855 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | | | 270,922 | 443,207 | 528,917 | 528,090 | 572,176 |
| 38. | Subtotal Other Revenues | | | | | | |

CALIFORNIA AMERICAN WATER

Southern Division - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|----------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$93,734,959 | \$78,133,358 | \$81,731,666 | \$91,244,921 | \$98,257,587 |
| 49. | Revenues per Avg Customer | | \$1,344 | \$1,115 | \$1,164 | \$1,296 | \$1,392 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Estimated | | Proposed Test Year | | Escalation Year | |
|-------------------------|-----------------------------|-------|---------------------------|-------------|-------------|-------------|--------------------|--|-----------------|--|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | | | |
| Metered Water Customers | | | | | | | | | | |
| 1. | Residential | SRES | 62,799,569 | 64,876,771 | 64,978,805 | 77,187,979 | 78,781,278 | | | |
| 2. | Multiresidential | MRES | 0 | 56,413 | 56,413 | 14,796 | 15,260 | | | |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | | | |
| 4. | Commercial | COMM | 25,948,797 | 27,908,283 | 28,046,517 | 31,528,369 | 32,389,251 | | | |
| 5. | Industrial | INDR | 4,181,410 | 3,872,928 | 3,925,566 | 4,409,847 | 4,435,138 | | | |
| 6. | Public Authority | OPUA | 8,491,094 | 7,336,070 | 7,304,023 | 8,173,684 | 8,331,131 | | | |
| 7. | Sales for Resale | SLFR | 5,778 | 0 | 0 | 0 | 0 | | | |
| 8. | Other | OTHR | 162,962 | 311,330 | 324,264 | 386,183 | 425,925 | | | |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | | | |
| 10. | Construction | CSTR | 30,999 | 17,564 | 4,242 | 10,264 | 10,241 | | | |
| 11. | Irrigation Gravity | IRRG | 8,270 | 0 | 0 | 0 | 0 | | | |
| 12. | Irrigation Pressure | IRRP | 188,619 | 294,396 | 88,317 | 0 | 0 | | | |
| 13. | Private Fire | RFPS | 0 | 52,423 | 66,651 | 91,330 | 110,440 | | | |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | | | |
| 15. | Public Fire | PFPS | 735,075 | 723,805 | 723,805 | 652,294 | 652,288 | | | |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | | | |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 | | | |
| 18. | | | | | | | | | | |
| 19. | Total Metered Revenues | | 102,552,573 | 105,449,983 | 105,518,603 | 122,454,746 | 125,150,952 | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 |
|----------|------------------------------|-------|---------------------------|----------------|----------------|-------------------------|----------------------|
| | | | | | | | |
| 20. | Non-Metered Customers | | 0 | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 102,552,573 | 105,449,983 | 105,518,603 | 122,454,746 | 125,150,952 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 34,190 | 0 | 0 | 0 | 0 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 252,590 | 0 | 0 | 0 | 0 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 286,780 | 0 | 0 | 0 | 0 |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|
| | | | | | | | |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$102,839,353 | \$105,449,983 | \$105,518,603 | \$122,454,746 | \$125,150,952 |
| 49. | Revenues per Avg Customer | | \$1,458 | \$1,441 | \$1,439 | \$1,666 | \$1,699 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC

Filing: 0

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | |
| 2. | Residential | SRES | N/A | -19% | 3% | 14% | 8% | -18% | 19% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | -74% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -11% | 6% | 11% | 7% | -14% | 12% |
| 6. | Industrial | INDR | N/A | -10% | 1% | 6% | -2% | -13% | 12% |
| 7. | Public Authority | OPUA | N/A | -25% | 13% | 6% | 13% | -12% | 12% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -21% | 54% | -6% | -13% | -27% | 19% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | 51% | 31% | -22% | -23% | 72% | 142% |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -16% | 6% | -25% | -44% | #DIV/0! | -100% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 37% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | -5% | -12% | 12% | 3% | 11% | -10% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -17% | 5% | 12% | 8% | -16% | 16% |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC

Filing: 0

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|------------------------------|-------|----------------|------|-------|------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 20. | Non-Metered Customers | | | | | | | | |
| 21. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -17% | 5% | 12% | 8% | -16% | 16% |
| 27. | Other Revenues | | | | | | | | |
| 28. | Method 5 Revenues | METH | N/A | 0% | -84% | 58% | -41% | #DIV/0! | N/A |
| 29. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Antenna Leases | ANTL | N/A | -21% | -100% | N/A | -100% | N/A | N/A |
| 31. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32. | Misc Service Revenues | MISC | N/A | 236% | 99% | -3% | 13% | #DIV/0! | N/A |
| 33. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 64% | 19% | 0% | 8% | #DIV/0! | N/A |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC

Filing: 0

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|--|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -17% | 5% | 12% | 8% | -16% | 16% |
| 49. | Revenues per Avg Customer | | N/A | -17% | 4% | 11% | 7% | -15% | 16% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | \$918 | \$743 | \$766 | \$867 | \$936 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 4,154 | 3,620 | 3,827 | 4,223 | 4,508 |
| 6. | Industrial | INDR | 16,805 | 15,145 | 15,196 | 15,848 | 15,398 |
| 7. | Public Authority | OPUA | 10,442 | 7,627 | 8,583 | 9,243 | 10,495 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 6,623 | 5,646 | 7,724 | 5,583 | 4,472 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 6,788 | 11,729 | 21,495 | 28,003 | 32,516 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 6,884 | 5,907 | 6,882 | 7,313 | 7,007 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 781 | 730 | 637 | 713 | 732 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | \$1,341 | \$1,109 | \$1,157 | \$1,288 | \$1,384 |

CALIFORNIA AMERICAN WATER
Southern Division - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Present Rate | Proposed Test Year | Proposed Rate |
|----------|-----------------------------|-------|---------------------------|--------------|--------------------|---------------|
| | | | 2018 | 2021 | 2021 | |
| 1. | Metered Water Customers: | | | | | |
| 2. | Residential | SRES | \$1,003 | \$996 | | \$1,182 |
| 3. | Multiresidential | MRES | 0 | 713 | | 423 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | | 0 |
| 5. | Commercial | COMM | 4,559 | 4,799 | | 5,369 |
| 6. | Industrial | INDR | 18,340 | 16,706 | | 18,607 |
| 7. | Public Authority | OPUA | 10,470 | 9,231 | | 10,360 |
| 8. | Sales for Resale | SLFR | 5,778 | 0 | | 0 |
| 9. | Other | OTHR | 10,864 | 6,884 | | 7,881 |
| 10. | Golf Courses | GOLF | 0 | 0 | | 0 |
| 11. | Construction | CSTR | 6,200 | 0 | | 0 |
| 12. | Irrigation Gravity | IRRG | 4,135 | 0 | | 0 |
| 13. | Irrigation Pressure | IRRP | 4,287 | 0 | | 0 |
| 14. | Private Fire | RFPS | 0 | 1,013 | | 1,142 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | | 0 |
| 16. | Public Fire | PPFS | 662 | 655 | | 590 |
| 17. | Hotel | HOTL | 0 | 0 | | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | | 0 |
| 21. | Reserved | | | | | |
| 22. | Reserved | | | | | |
| 23. | TOTAL | | \$1,454 | \$1,438 | | \$1,666 |

**CALIFORNIA AMERICAN WATER
SOUTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020, and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are submitted as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2019 reflect salary information as of April 2019.

Non-union Employee Salaries

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Union Employee Salaries Inflation

| Southern Division | 2019 | 2020 | 2021 | 2022 |
|--------------------------|-------------|-------------|-------------|-------------|
| San Diego | N/A | N/A | N/A | N/A |
| Ventura | N/A | 2.50% | 2.50% | 2.50% |
| Los Angeles | N/A | 2.50% | 2.50% | 2.50% |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every effort was made to identify and remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

**CALIFORNIA AMERICAN WATER
SOUTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the Southern Division include the following factors and assumptions:

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Operations and Maintenance Expenses

Source of Supply: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Water: Purchased water costs are primarily based on estimated total production, district operations assessments of sources and uses of produced and purchased water, and the current prices and assessments from water provider agencies.
- Advanced Metering Infrastructure: miscellaneous expenses adjusted for AMI related O&M costs in the Ventura District.

Pumping: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Power: Purchased power was calculated based on fiscal 2018 kilowatt usage patterns and kilowatt per water production units at average kilowatt costs calculated from most recent 12 months billing data. This fiscal data was escalated and applied to the estimated water production quantities to derive purchased power estimates for 2019 through 2022. The fiscal year data was obtained from billing data of the power providers for the Southern Division.

Water Treatment: Expenses are forecasted based on the standard methodology outlined above.

Transmission & Distribution: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Costs for maintenance of Reservoirs and Tanks for 2019 through 2022 were forecasted based on scheduled tank painting needs and the associated amortization schedule.
- Costs for Comprehensive Planning Studies and Geographic Information Systems were forecasted based on identified needs
- State Water Resources Control Board drinking water fees were forecasted based on 2018 actual with escalation applied

Customer Accounts: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Adjustment for overflow customer calls to the Customer Service Center.
- Uncollectibles expense forecasted based on 5-year average of the annual uncollectible rate applied to forecasted revenues.

**CALIFORNIA AMERICAN WATER
SOUTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES
Administrative & General Expenses**

**RO REPORT
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Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

- Adjustment for sampling monitoring systems (SAMS) modules.
- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as wells fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

General Office

General Office and Service Company costs are allocated to each district based upon customer count.

Acquisition Premium

Decision 01-09-057 approved the purchase of the water and wastewater assets of Citizens Utilities by American Water and authorized the recovery of the acquisition premium attributable to California American Water. A portion of the amortization of that premium has been allocated to the Southern Division.

Utility Plant Acquisition Adjustment

The revenue requirement related to the Utility Plant Acquisition Adjustment for the Fruitridge, Rio Plaza, Hillview and Bellflower acquisitions is allocated to each district based upon customer count.

Table Overview

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocated General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

**CALIFORNIA AMERICAN WATER
SOUTHERN DIVISION
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

Table 4.6a and Table 4.6b show recorded, forecasted, and last authorized Test Year O&M Expenses per customer.

Table 4.5b, Table 4.7, and Table 4.8 show Percent Change of recorded, forecasted, and last authorized Test Year O&M Expenses, A&G expenses, and Payroll expenses.

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

Filing: Final

SUMMARY OF TOTAL OPERATING EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Summary Description | Recorded Years | | | | |
|----------|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | 6,865.7 | 7,146.3 | 7,212.3 | 7,308.0 | 7,000.3 |
| 2. | Purchased Water | 46,560.6 | 38,761.9 | 42,267.9 | 47,226.0 | 49,685.1 |
| 3. | Purchased Power | 2,735.7 | 2,029.5 | 2,123.1 | 2,006.6 | 2,227.3 |
| 4. | Chemicals | 120.6 | 103.6 | 113.2 | 123.5 | 123.2 |
| 5. | Operation Expense | 609.6 | 675.8 | 759.1 | 971.5 | 1,158.8 |
| 6. | Maintenance (excluding Amort Tank Painting) | 776.1 | 562.2 | 704.3 | 1,182.1 | 640.6 |
| 7. | Amortization of Tank Painting | 487.4 | 446.6 | 502.4 | 543.9 | 479.2 |
| 8. | Customer Accounting | 688.7 | 694.1 | 703.6 | 730.6 | 755.1 |
| 9. | Uncollectible Expense | 468.8 | 357.2 | 423.7 | 451.7 | 429.8 |
| 10. | Insurance | 942.2 | 1,317.1 | 899.4 | 974.5 | 906.2 |
| 11. | Pensions and Benefits | 2,006.6 | 1,978.4 | 2,228.7 | 2,368.0 | 1,985.6 |
| 12. | Regulatory Expenses | 632.8 | 188.5 | 316.8 | 606.7 | 119.9 |
| 13. | Rents | 811.2 | 849.8 | 839.9 | 845.3 | 839.8 |
| 14. | Other Administrative & General | 2,805.0 | 2,828.2 | 2,758.7 | 3,181.6 | 3,050.6 |
| 15. | Service Company Costs | 5,228.7 | 5,281.5 | 5,321.9 | 4,714.6 | 4,680.2 |
| 16. | Citizens Acquisition Premium | 1,445.6 | 1,395.9 | 1,346.3 | 1,325.4 | 1,593.1 |
| 17. | General Office Return on Rate Base | 645.5 | 762.5 | 848.0 | 726.4 | 823.7 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Total Operating Expenses | 73,830.9 | 65,379.3 | 69,369.2 | 75,286.5 | 76,498.6 |
| 23. | Operating Expense per customer ² | 1,054.2 | 933.1 | 986.2 | 1,067.8 | 1,082.2 |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

SUMMARY OF TOTAL OPERATING EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Summary Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|-----------------|---------------------------|-------------------|
| | | 2019 | 2020 | | 2021 | | |
| 1. | Labor | 7,719.4 | 7,923.3 | 8,144.6 | 8,375.0 | 6,704.2 | Exh A Ch4 Tbl 4.2 |
| 2. | Purchased Water | 53,070.8 | 53,674.6 | 54,325.9 | 54,515.5 | 49,610.7 | Exh A Ch4 Tbl 4.3 |
| 3. | Purchased Power | 2,288.5 | 2,316.0 | 2,357.2 | 2,413.9 | 2,455.6 | Exh A Ch4 Tbl 4.3 |
| 4. | Chemicals | 118.8 | 120.6 | 122.8 | 125.5 | 91.4 | Exh A Ch4 Tbl 4.3 |
| 5. | Operation Expense | 482.6 | 612.3 | 3,597.3 | 1,437.6 | 1,122.7 | Exh A Ch4 Tbl 4.3 |
| 6. | Maintenance (excluding Amort Tank Painting) | 856.1 | 868.9 | 884.9 | 904.5 | 2,005.6 | Exh A Ch4 Tbl 4.4 |
| 7. | Amortization of Tank Painting | 523.0 | 501.3 | 941.5 | 898.1 | 422.3 | O&M RO |
| 8. | Customer Accounting | 796.6 | 808.2 | 823.3 | 841.7 | 685.8 | Exh A Ch4 Tbl 4.3 |
| 9. | Uncollectible Expense | 528.9 | 529.3 | 531.3 | 617.5 | 550.3 | Exh A Ch4 Tbl 4.3 |
| 10. | Insurance | 825.2 | 860.6 | 1,427.5 | 1,446.7 | 987.5 | Exh A Ch4 Tbl 4.5 |
| 11. | Pensions and Benefits | 1,826.3 | 2,035.8 | 2,086.5 | 2,183.6 | 1,831.2 | Exh A Ch4 Tbl 4.5 |
| 12. | Regulatory Expenses | 622.5 | 622.5 | 225.7 | 903.0 | 418.8 | Exh A Ch4 Tbl 4.5 |
| 13. | Rents | 833.0 | 852.2 | 1,034.5 | 968.2 | 847.7 | Exh A Ch4 Tbl 4.5 |
| 14. | Other Administrative & General | 3,026.1 | 3,118.0 | 3,172.1 | 3,094.7 | 2,700.1 | Exh A Ch4 Tbl 4.5 |
| 15. | Service Company Costs | 4,884.9 | 4,945.9 | 5,032.2 | 5,146.0 | 4,432.6 | Service Co RO |
| 16. | Citizens Acquisition Premium | 1,598.8 | 1,605.3 | 1,612.1 | 1,620.1 | 1,579.8 | WP Citizens Acq |
| 17. | General Office Return on Rate Base | 891.3 | 1,170.1 | 1,353.6 | 1,396.6 | 917.8 | CH09 RO |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 1,553.1 | 1,520.7 | 0.0 | CH02 RO |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CH02 RO |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Total Operating Expenses | 80,892.9 | 82,564.9 | 89,226.4 | 88,408.7 | 77,364.0 | |
| 23. | Operating Expense per customer ² | 1,104.3 | 1,124.7 | 1,212.8 | 1,199.2 | 1,096.6 | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Payroll and Employees Include Allocation of General Office

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Salaries | 8,725.8 | 8,976.9 | 9,300.5 | 9,408.4 | 9,158.0 |
| 2. | Overtime | 387.0 | 538.6 | 475.9 | 435.6 | 509.7 |
| 3. | Total Salaries | 9,112.8 | 9,515.5 | 9,776.4 | 9,844.0 | 9,667.6 |
| 4. | Capitalized Payroll | (2,247.1) | (2,369.1) | (2,564.1) | (2,536.0) | (2,667.3) |
| 5. | Total Net Payroll | 6,865.7 | 7,146.3 | 7,212.3 | 7,308.0 | 7,000.3 |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 130.1 | 135.8 | 139.0 | 139.6 | 136.8 |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 12. | | | | | | |
| 13. | Number of employees | 96.3 | 97.1 | 97.7 | 101.2 | 101.4 |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Year Customers (1,000's) | 70.0 | 70.1 | 70.3 | 70.5 | 70.7 |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------------|---------------------------|--------------------|
| | | 2019 | 2020 | | | | |
| 1. | Salaries | 10,172.6 | 10,445.0 | 10,739.8 | 11,046.5 | 8,657.0 | RO Labor |
| 2. | Overtime | 496.1 | 508.6 | 522.2 | 536.1 | 400.5 | RO Labor |
| 3. | Total Salaries | 10,668.7 | 10,953.6 | 11,262.0 | 11,582.5 | 9,057.5 | Ln1 + Ln2 |
| 4. | Capitalized Payroll | (2,949.3) | (3,030.3) | (3,117.4) | (3,207.5) | (2,353.3) | RO Labor |
| 5. | Total Net Payroll | 7,719.4 | 7,923.3 | 8,144.6 | 8,375.0 | 6,704.2 | Ln3 + Ln4 |
| 6. | | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 145.6 | 149.2 | 153.1 | 157.1 | 128.4 | Ln3 / Ln18 |
| 8. | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | |
| 10. | | | | | | | |
| 11. | # of employees per thousand customers | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | Ln13 / Ln18 |
| 12. | | | | | | | |
| 13. | Number of employees | 104.0 | 104.0 | 104.0 | 104.0 | 99.4 | WFO O&M-RO |
| 14. | | | | | | | |
| 15. | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | |
| 17. | | | | | | | |
| 18. | End of Year Customers (1,000's) | 73.3 | 73.4 | 73.6 | 73.7 | 70.6 | ExhA Tbl 3.1 / 3.2 |
| 19. | | | | | | | |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|----------|----------|----------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | Operation Expenses (exclude payroll) | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 12.1 | 4.3 | 7.8 | 7.2 |
| 3. | SS Purchased Water | 704 | 46,560.6 | 38,761.9 | 42,267.9 | 47,226.0 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 6.1 | 0.9 | 0.1 | 1.2 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,735.7 | 2,029.5 | 2,123.1 | 2,006.6 |
| 8. | WT Operation Labor and Expenses | 742 | 0.0 | 0.0 | (0.0) | 3.8 |
| 9. | WT Miscellaneous Expenses | 743 | 253.1 | 230.6 | 236.9 | 291.0 |
| 10. | WT Chemicals and Filtering Materials | 744 | 120.6 | 103.6 | 113.2 | 123.5 |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.1 | 0.0 | 0.0 |
| 13. | TD Meter Expenses | 754 | 0.0 | 21.6 | 12.0 | 24.5 |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 338.3 | 418.3 | 502.4 | 643.7 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 97.8 | 103.9 | 124.2 | 156.3 |
| 18. | CA Miscellaneous Customer Account | 774 | 590.8 | 590.2 | 579.4 | 574.3 |
| 19. | CA Uncollectible Accounts | 775 | 468.8 | 357.2 | 423.7 | 451.7 |
| 20. | Divisional Allocation | | | | | |
| 21. | Total Operation Expenses | | 51,184.0 | 42,622.2 | 46,390.6 | 51,509.9 |
| 22. | O&M Expense per customer ² | | 730.8 | 608.31 | 659.53 | 730.58 |
| | | | | | | 769.32 |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|------------|-----------|----------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | <u>Operation Expenses (exclude payroll)</u> | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 7.9 | 8.1 | 8.2 | 30.6 | 15.8 | O&M RO |
| 3. | SS Purchased Water | 704 | 53,070.8 | 53,674.6 | 54,325.9 | 54,515.5 | 49,610.7 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 2.6 | 2.6 | 2.6 | 2.7 | 5.8 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,288.5 | 2,316.0 | 2,357.2 | 2,413.9 | 2,455.6 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 0.8 | 0.8 | 0.8 | 0.8 | (0.1) | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 249.1 | 252.8 | 257.4 | 263.1 | 306.8 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | 118.8 | 120.6 | 122.8 | 125.5 | 91.4 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 3.4 | 3.5 | 3.5 | 3.6 | 0.0 | O&M RO |
| 13. | TD Meter Expenses | 754 | 11.1 | 11.3 | 11.5 | 11.8 | 9.5 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 207.7 | 333.3 | 3,313.2 | 1,125.0 | 784.4 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 222.7 | 225.7 | 230.0 | 235.4 | 106.1 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 574.0 | 582.6 | 593.3 | 606.3 | 578.4 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 528.9 | 529.3 | 531.3 | 617.5 | 550.3 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | |
| 21. | Total Operation Expenses | | 57,286.2 | 58,061.1 | 61,757.9 | 59,951.7 | 54,516.5 | |
| 22. | O&M Expense per customer ⁽²⁾ | | 782.04 | 790.87 | 839.47 | 813.21 | 772.7 | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | | |
|----------|---|------------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 21.8 | 36.6 | 69.7 | 56.2 | 71.7 |
| 8. | PP Maintenance of Structures and Impr | 730 | 18.8 | 6.4 | 2.7 | 0.8 | 1.0 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | PP Maintenance of Other Pumping | 733 | 60.3 | 17.3 | 3.1 | 0.7 | 6.0 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.1 | 0.0 | 0.0 | 1.1 | 0.0 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 1.6 | 4.2 | (5.0) | 0.0 |
| 15. | TD Maintenance of Transmission and Distr | 761 | 36.7 | 31.4 | 44.1 | 61.7 | 22.9 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 20.0 | 12.5 | 17.2 | 31.0 | 63.4 |
| 18. | TD Maintenance of Meters | 764 | 6.9 | 7.3 | 1.1 | 16.9 | 1.7 |
| 19. | TD Maintenance of Hydrants | 765 | 0.9 | 2.2 | 0.1 | 3.1 | 2.1 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 1,098.1 | 893.4 | 1,064.5 | 1,559.6 | 951.0 |
| 21. | Total Maintenance Expenses | | 1,263.5 | 1,008.8 | 1,206.7 | 1,726.1 | 1,119.9 |
| 22. | O&M Expense per customer ² | | 18.0 | 14.4 | 17.2 | 24.5 | 15.8 |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

Filing: Final

SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 52.0 | 52.8 | 53.8 | 55.0 | 37.0 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 6.0 | 6.1 | 6.3 | 6.4 | 27.7 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 14.5 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 17.7 | 18.0 | 18.3 | 18.7 | 58.8 | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.2 | 0.2 | 0.2 | 0.3 | 1,159.0 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 17.9 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 40.0 | 40.6 | 41.4 | 42.3 | 153.7 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 29.3 | 29.7 | 30.3 | 30.9 | 15.1 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 6.9 | 7.0 | 7.1 | 7.3 | 16.3 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 1.7 | 1.7 | 1.8 | 1.8 | 13.0 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 1,224.9 | 1,213.7 | 1,667.0 | 1,639.7 | 910.4 | O&M RO |
| 21. | Total Maintenance Expenses | | 1,379.1 | 1,370.1 | 1,826.4 | 1,802.5 | 2,427.8 | |
| 22. | O&M Expense per customer ² | | 18.8 | 18.7 | 24.8 | 24.5 | 34.4 | |

Filing:

Filing:

A&G Exp ExA Ch4 Tbl 4.5

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

Filing: Final

SUMMARY OF A&G EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | <u>Administrative \$ General Expenses</u> | | | | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 118.6 | 120.4 | 122.6 | 125.3 | 111.9 | O&M RO |
| 3. | AG Property Insurance | 793 | 260.1 | 287.0 | 843.3 | 849.7 | 160.9 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 565.1 | 573.6 | 584.2 | 597.0 | 826.6 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 1,826.3 | 2,035.8 | 2,086.5 | 2,183.6 | 1,831.2 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 622.5 | 622.5 | 225.7 | 903.0 | 418.8 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 620.2 | 629.4 | 692.3 | 693.5 | 463.0 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 2,089.1 | 2,167.1 | 2,152.4 | 2,066.5 | 2,020.8 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 198.2 | 201.2 | 204.9 | 209.4 | 104.4 | O&M RO |
| 10. | AG Rents | 811 | 833.0 | 852.2 | 1,034.5 | 968.2 | 847.7 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 7,133.1 | 7,489.1 | 7,946.4 | 8,596.2 | 6,785.3 | |
| 22. | O&M Expense per customer ² | | 97.4 | 102.0 | 108.0 | 116.6 | 96.2 | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | Recorded Years | | | |
|-------------|---|----------------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 6,865.7 | 7,146.3 | 7,212.3 | 7,308.0 |
| 2. | Purchased Water | 46,560.6 | 38,761.9 | 42,267.9 | 47,226.0 |
| 3. | Purchased Power | 2,735.7 | 2,029.5 | 2,123.1 | 2,006.6 |
| 4. | Chemicals | 120.6 | 103.6 | 113.2 | 123.5 |
| 5. | Operation Expense | 609.6 | 675.8 | 759.1 | 971.5 |
| 6. | Maintenance (excluding Amort Tank Painting) | 776.1 | 562.2 | 704.3 | 1,182.1 |
| 7. | Amortization of Tank Painting | 487.4 | 446.6 | 502.4 | 543.9 |
| 8. | Customer Accounting | 688.7 | 694.1 | 703.6 | 730.6 |
| 9. | Uncollectible Expense | 468.8 | 357.2 | 423.7 | 451.7 |
| 10. | Insurance | 942.2 | 1,317.1 | 899.4 | 974.5 |
| 11. | Pensions and Benefits | 2,006.6 | 1,978.4 | 2,228.7 | 2,368.0 |
| 12. | Regulatory Expenses | 632.8 | 188.5 | 316.8 | 606.7 |
| 13. | Rents | 811.2 | 849.8 | 839.9 | 845.3 |
| 14. | Other Administrative & General | 2,805.0 | 2,828.2 | 2,758.7 | 3,181.6 |
| 15. | Service Company Costs | 5,228.7 | 5,281.5 | 5,321.9 | 4,714.6 |
| 16. | Citizens Acquisition Premium | 1,445.6 | 1,395.9 | 1,346.3 | 1,325.4 |
| 17. | General Office Return on Rate Base | 645.5 | 762.5 | 848.0 | 726.4 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | |
| 1. | Labor | 98.0 | 102.0 | 102.5 | 103.7 | 99.0 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 664.8 | 553.2 | 600.9 | 669.8 | 702.9 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 39.1 | 29.0 | 30.2 | 28.5 | 31.5 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 1.7 | 1.5 | 1.6 | 1.8 | 1.7 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 8.7 | 9.6 | 10.8 | 13.8 | 16.4 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 11.1 | 8.0 | 10.0 | 16.8 | 9.1 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 7.0 | 6.4 | 7.1 | 7.7 | 6.8 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 9.8 | 9.9 | 10.0 | 10.4 | 10.7 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.7 | 5.1 | 6.0 | 6.4 | 6.1 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 13.5 | 18.8 | 12.8 | 13.8 | 12.8 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 28.7 | 28.2 | 31.7 | 33.6 | 28.1 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.0 | 2.7 | 4.5 | 8.6 | 1.7 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 11.6 | 12.1 | 11.9 | 12.0 | 11.9 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 40.1 | 40.4 | 39.2 | 45.1 | 43.2 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 74.7 | 75.4 | 75.7 | 66.9 | 66.2 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 20.6 | 19.9 | 19.1 | 18.8 | 22.5 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 9.2 | 10.9 | 12.1 | 10.3 | 11.7 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated and Projected Years | | | |
|----------|---|-------------------------------|----------|----------|----------|
| | | 2019 | 2020 | 2021 | 2022 |
| 1. | Labor | 7,719.4 | 7,923.3 | 8,144.6 | 8,375.0 |
| 2. | Purchased Water | 53,070.8 | 53,674.6 | 54,325.9 | 54,515.5 |
| 3. | Purchased Power | 2,288.5 | 2,316.0 | 2,357.2 | 2,413.9 |
| 4. | Chemicals | 118.8 | 120.6 | 122.8 | 125.5 |
| 5. | Operation Expense | 482.6 | 612.3 | 3,597.3 | 1,437.6 |
| 6. | Maintenance (excluding Amort Tank Painting) | 856.1 | 868.9 | 884.9 | 904.5 |
| 7. | Amortization of Tank Painting | 523.0 | 501.3 | 941.5 | 898.1 |
| 8. | Customer Accounting | 796.6 | 808.2 | 823.3 | 841.7 |
| 9. | Uncollectible Expense | 528.9 | 529.3 | 531.3 | 617.5 |
| 10. | Insurance | 825.2 | 860.6 | 1,427.5 | 1,446.7 |
| 11. | Pensions and Benefits | 1,826.3 | 2,035.8 | 2,086.5 | 2,183.6 |
| 12. | Regulatory Expenses | 622.5 | 622.5 | 225.7 | 903.0 |
| 13. | Rents | 833.0 | 852.2 | 1,034.5 | 968.2 |
| 14. | Other Administrative & General | 3,026.1 | 3,118.0 | 3,172.1 | 3,094.7 |
| 15. | Service Company Costs | 4,884.9 | 4,945.9 | 5,032.2 | 5,146.0 |
| 16. | Citizens Acquisition Premium | 1,598.8 | 1,605.3 | 1,612.1 | 1,620.1 |
| 17. | General Office Return on Rate Base | 891.3 | 1,170.1 | 1,353.6 | 1,396.6 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 1,553.1 | 1,520.7 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 110.2 | 113.1 | 115.8 | 118.8 | 95.0 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 757.8 | 766.0 | 772.3 | 773.2 | 703.2 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 32.7 | 33.1 | 33.5 | 34.2 | 34.8 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 1.7 | 1.7 | 1.7 | 1.8 | 1.3 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 6.9 | 8.7 | 51.1 | 20.4 | 15.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 12.2 | 12.4 | 12.6 | 12.8 | 28.4 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 7.5 | 7.2 | 13.4 | 12.7 | 6.0 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 11.4 | 11.5 | 11.7 | 11.9 | 9.7 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 7.6 | 7.6 | 7.6 | 8.8 | 7.8 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 11.8 | 12.3 | 20.3 | 20.5 | 14.0 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 26.1 | 29.1 | 29.7 | 31.0 | 26.0 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 8.9 | 8.9 | 3.2 | 12.8 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 11.9 | 12.2 | 14.7 | 13.7 | 12.0 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 43.2 | 44.5 | 45.1 | 43.9 | 38.3 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 69.8 | 70.6 | 71.5 | 73.0 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 22.8 | 22.9 | 22.9 | 23.0 | 22.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 12.7 | 16.7 | 19.2 | 19.8 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 22.1 | 21.6 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses
1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|--------|--------|--------|--------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | 4.1% | 0.9% | 1.3% | -4.2% |
| 2. | Purchased Water | N/A | -16.7% | 9.0% | 11.7% | 5.2% |
| 3. | Purchased Power | N/A | -25.8% | 4.6% | -5.5% | 11.0% |
| 4. | Chemicals | N/A | -14.1% | 9.2% | 9.1% | -0.3% |
| 5. | Operation - Source of Supply (SS) | N/A | 10.9% | 12.3% | 28.0% | 19.3% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | -27.6% | 25.3% | 67.9% | -45.8% |
| 7. | Amortization of Tank Painting | N/A | -8.4% | 12.5% | 8.3% | -11.9% |
| 8. | Customer Accounting | N/A | 0.8% | 1.4% | 3.8% | 3.4% |
| 9. | Uncollectible Expense | N/A | -23.8% | 18.6% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 39.8% | -31.7% | 8.3% | -7.0% |
| 11. | Pensions and Benefits | N/A | -1.4% | 12.7% | 6.2% | -16.1% |
| 12. | Regulatory Expenses | N/A | -70.2% | 68.0% | 91.5% | -80.2% |
| 13. | Rents | N/A | 4.8% | -1.2% | 0.6% | -0.7% |
| 14. | Other Administrative & General | N/A | 0.8% | -2.5% | 15.3% | -4.1% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | -3.4% | -3.6% | -1.5% | 20.2% |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 23. | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED

Filing:

Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|--------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 10.3% | 2.6% | 2.8% | 2.8% | | 21.5% |
| 2. | Purchased Water | 6.8% | 1.1% | 1.2% | 0.3% | | 9.5% |
| 3. | Purchased Power | 2.8% | 1.2% | 1.8% | 2.4% | | -4.0% |
| 4. | Chemicals | -3.6% | 1.5% | 1.8% | 2.2% | | 34.3% |
| 5. | Operation - Source of Supply (SS) | -58.4% | 26.9% | 487.5% | -60.0% | | 220.4% |
| 6. | Maintenance (excluding Amort Tank Painting) | 33.6% | 1.5% | 1.8% | 2.2% | | -55.9% |
| 7. | Amortization of Tank Painting | 9.1% | -4.1% | 87.8% | -4.6% | | 123.0% |
| 8. | Customer Accounting | 5.5% | 1.5% | 1.9% | 2.2% | | 20.1% |
| 9. | Uncollectible Expense | 23.1% | 0.1% | 0.4% | 16.2% | | -3.4% |
| 10. | Insurance | -8.9% | 4.3% | 65.9% | 1.4% | | 44.6% |
| 11. | Pensions and Benefits | -8.0% | 11.5% | 2.5% | 4.7% | | 13.9% |
| 12. | Regulatory Expenses | 419.1% | 0.0% | -63.7% | 300.0% | | -46.1% |
| 13. | Rents | -0.8% | 2.3% | 21.4% | -6.4% | | 22.0% |
| 14. | Other Administrative & General | -0.8% | 3.0% | 1.7% | -2.4% | | 17.5% |
| 15. | Service Company Costs | 4.4% | 1.2% | 1.7% | 2.3% | | 13.5% |
| 16. | Citizens Acquisition Premium | 0.4% | 0.4% | 0.4% | 0.5% | | 2.0% |
| 17. | General Office Return on Rate Base | 8.2% | 31.3% | 15.7% | 3.2% | | 47.5% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | -2.1% | | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | | N/A |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | | |
| 23. | | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|-------|--------|-------|-------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Payroll Expense</u> | | | | | |
| 2. | Salaries | N/A | 2.9% | 3.6% | 1.2% | -2.7% |
| 3. | Overtime | N/A | 39.2% | -11.6% | -8.5% | 17.0% |
| 4. | Total Salaries | N/A | 4.4% | 2.7% | 0.7% | -1.8% |
| 5. | Capitalized Payroll | N/A | 5.4% | 8.2% | -1.1% | 5.2% |
| 6. | Total Net Payroll | N/A | 4.1% | 0.9% | 1.3% | -4.2% |
| 7. | Payroll per thousand customers (in \$000's) | N/A | 4.4% | 2.3% | 0.5% | -2.0% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | N/A | 0.8% | 0.2% | 3.4% | -0.1% |
| 12. | | | | | | |
| 13. | Number of employees | N/A | 0.8% | 0.6% | 3.7% | 0.2% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | 0.0% | 0.4% | 0.2% | 0.3% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

Filing: Final

PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: % calculations include allocation of General Office costs

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | | 2021 | 2022 |
| 1. | Salaries | 11.1% | 2.7% | 2.8% | 2.9% | 24.1% |
| 2. | Overtime | -2.7% | 2.5% | 2.7% | 2.7% | 30.4% |
| 3. | Total Salaries | 10.4% | 2.7% | 2.8% | 2.8% | 24.3% |
| 4. | Capitalized Payroll | 10.6% | 2.7% | 2.9% | 2.9% | 32.5% |
| 5. | Total Net Payroll | 10.3% | 2.6% | 2.8% | 2.8% | 21.5% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 6.5% | 2.4% | 2.6% | 2.6% | 19.2% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | -1.1% | -0.2% | -0.2% | -0.2% | 0.3% |
| 12. | | | | | | |
| 13. | Number of employees | 2.5% | 0.0% | 0.0% | 0.0% | 4.6% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | 3.6% | 0.2% | 0.2% | 0.2% | 4.3% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--------------------------------|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 1. | Ad Valorem | 507 | 1,358.2 | 1,399.5 | 1,488.0 | 1,500.2 |
| 2. | Franchise Taxes | 507 | 0.0 | 0.0 | 11.7 | (0.0) |
| 3. | Payroll Taxes | 507 | 531.1 | 554.5 | 557.6 | 532.0 |
| 4. | Other | 507 | 109.8 | 30.3 | 30.7 | 30.6 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 1,999.2 | 1,984.2 | 2,088.0 | 2,062.8 |
| 9. | Other Tax Expense per customer | | 28.5 | 28.32 | 29.68 | 29.26 |
| | | | | | | 30.61 |

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--------------------------------|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | Ad Valorem | 507 | 1,637.3 | 1,968.2 | 2,322.7 | 2,600.4 | 1,652.8 | OTAX RO |
| 2. | Franchise Taxes | 507 | 2.3 | 2.4 | 2.4 | 2.5 | (45.1) | OTAX RO |
| 3. | Payroll Taxes | 507 | 557.1 | 569.2 | 582.1 | 595.4 | 548.7 | OTAX RO |
| 4. | Other | 507 | 47.1 | 47.9 | 48.7 | 49.8 | 51.3 | OTAX RO |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | Total Other Taxes | | 2,243.9 | 2,587.6 | 2,955.9 | 3,248.1 | 2,207.6 | |
| 9. | Other Tax Expense per customer | | 30.63 | 35.25 | 40.18 | 44.06 | 31.3 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables regarding the calculation of taxes based on income. The tables are presented as follows:

Table 6.1 – Calculation of Income Taxes at Present Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2020, and Attrition Year 2021 at the current or anticipated present rates in effect at the time.

Table 6.2 – Calculation of Income Taxes at Proposed Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2022, and Attrition Year 2023 if the tariff rates proposed by California American Water in this application are approved.

Information About Calculations

The methods used to compute taxable income are as follows:

- 1) Operating Revenues as shown on Chapter 2 – Tables 2.2 and 2.3 of the RO Report.
- 2) Total Operating Expenses and Uncollectibles as shown on Chapter 2- Tables 2.2 and 2.3 of the RO Report.
- 3) Book Depreciation as shown on Chapter 2 – Tables 2.2 and 2.3. California American Water has adopted FAS 109 and defers the difference between depreciation recorded on its books and depreciation used to calculate its taxable income.
- 4) Domestic Production Activity Deduction was calculated based on Internal Revenue Code Section 199 guidelines. Section 199 provides for a tax deduction based on qualified production activity income or wages whichever is less.
- 5) Rate Making Interest Expense was calculated using the Interest Synchronization Method that requires the application of the weighted cost of debt used in the calculation of the Rate of Return shown on Exhibit C to the net rate base shown on Chapter 9- Table 9.2 of the RO Report.
- 6) Taxes Other Than Income Taxes as shown on Exhibit A, Chapter 2, Tables 2.2 and 2.3.

- 7) Deferred Taxes can constitute one or more of the following:
- a. Investment Tax Credits that include the amortization of amounts deferred in previous years in accordance with previous provisions of the Federal Tax Code.
 - b. An adjustment to taxable net income resulting from the write-off of deferred income taxes amounts that resulted from a decrease in prior tax rates from 46% to 35%, known as the reverse South Georgia method. Additional deferred income taxes resulting from the reverse South Georgia method decrease have been grossed-up in accordance with FAS 109.
 - c. Additional deferred taxes resulting from bonus depreciation.

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year 2019 | Estimated Year 2020 | Test Year @ 2018 Rates 2021 | Escalation Year @ 2021 Rates 2022 | Attrition Year 2023 | Reference |
|----------|---|---------------------|---------------------|-----------------------------|-----------------------------------|---------------------|------------------|
| 1. | Operating Revenues | 105,914.4 | 106,012.0 | 106,411.4 | 123,473.2 | 126,044.6 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | | | |
| 3. | Operating Exps less uncollectibles | 80,364.0 | 82,035.6 | 88,695.0 | 87,791.2 | 88,335.4 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 528.9 | 529.3 | 531.3 | 617.5 | 617.5 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 7,427.3 | 8,346.7 | 9,369.6 | 10,391.8 | 11,414.0 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 4,483.6 | 5,069.8 | 6,021.0 | 6,672.1 | 7,323.2 | CH09, Tbl 9.2 |
| 8. | General Taxes | 2,243.9 | 2,587.6 | 2,955.9 | 3,248.1 | 3,562.4 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (26.4) | (26.8) | (27.3) | (27.9) | (28.5) | O&M RO |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | | | |
| 12. | Federal | 95,021.3 | 98,542.2 | 107,545.6 | 108,692.8 | 111,223.9 | Sum(Ln3...Ln10) |
| 13. | State | 95,021.3 | 98,542.2 | 107,545.6 | 108,692.8 | 111,223.9 | Ln12 - Ln 5 |
| 14. | Taxable Income - State | 10,893.1 | 7,469.8 | (1,134.2) | 14,780.4 | 14,820.7 | Calculated |
| 15. | State Income Tax @ (see below) | 962.9 | 660.3 | (100.3) | 1,306.6 | 1,310.1 | Ln13 X % |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | N/A |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 962.9 | 660.3 | (100.3) | 1,306.6 | 1,310.1 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 9,930.1 | 6,506.9 | (1,794.5) | 13,395.0 | 13,288.0 | Calculated |
| 20. | Federal Income Tax @ (See below) | 2,085.3 | 1,366.4 | (376.9) | 2,812.9 | 2,790.5 | Ln19 X % |
| 21. | Less: Amort Deferred Federal ITC | (27.1) | (21.4) | (21.2) | (21.2) | (21.2) | WP Amort ITC |
| 22. | Less: Amort Excess Deferred Taxes | 0.0 | 0.0 | (1,105.3) | (1,107.8) | (1,119.0) | |
| 23. | FEDERAL INCOME TAX | 2,058.2 | 1,345.1 | (1,503.4) | 1,683.9 | 1,650.3 | Sum(Ln20...Ln22) |
| 24. | TOTAL TAXES ON INCOME | 3,021.1 | 2,005.4 | (1,603.7) | 2,990.5 | 2,960.4 | Ln18 + Ln 23 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|----------|---|-----------|-----------------|----------------|----------------|
| | | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 123,306.2 | 126,044.6 | 130,411.7 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | |
| 3. | Operating Exps less uncollectibles | 88,695.0 | 87,791.2 | 88,335.4 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 619.3 | 630.9 | 640.2 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 9,369.6 | 10,391.8 | 11,414.0 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 6,021.0 | 6,672.1 | 7,323.2 | CH09, Tbl 9.2 |
| 8. | General Taxes | 2,955.9 | 3,248.1 | 3,562.4 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (27.3) | (27.9) | (28.5) | CH06, Tbl 6.1 |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | |
| 12. | Federal | 107,633.5 | 108,706.1 | 111,246.6 | Sum(Ln3...Ln9) |
| 13. | State | 107,633.5 | 108,706.1 | 111,246.6 | Ln12 - Ln 5 |
| 14. | Taxable Income - State | 15,672.6 | 17,338.4 | 19,165.0 | Calculated |
| 15. | State Income Tax @ (see below) | 1,385.5 | 1,532.7 | 1,694.2 | Ln13 X % |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | CH06, Tbl 6.1 |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 1,385.5 | 1,532.7 | 1,694.2 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 15,012.3 | 15,953.0 | 17,632.3 | Calculated |
| 20. | Federal Income Tax @ (See below) | 3,152.6 | 3,350.1 | 3,702.8 | Ln18 X % |
| 21. | Less: Amort Deferred Federal ITC | (21.2) | (21.2) | (21.2) | CH06, Tbl 6.1 |
| 22. | Less: Amort Excess Deferred Taxes | (1,105.3) | (1,107.8) | (1,119.0) | |
| 23. | FEDERAL INCOME TAX | 2,026.0 | 2,221.1 | 2,562.6 | Ln19 + Ln 20 |
| 24. | TOTAL TAXES ON INCOME | 3,411.5 | 3,753.8 | 4,256.8 | Ln17 + Ln 21 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the Southern Division of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 226,071.4 | 228,982.8 | 251,546.5 | 267,085.9 | 275,718.5 |
| 2. | Gross Additions During Year | 10,091.2 | 23,304.4 | 17,087.5 | 9,509.0 | 20,984.5 |
| 3. | Retirements | 6,987.1 | 740.7 | 1,548.2 | 876.5 | 2,377.4 |
| 4. | Sales and Adjustments | (192.8) | (0.0) | (0.0) | (0.0) | (321.0) |
| 5. | Net Additions | 2,911.4 | 22,563.8 | 15,539.4 | 8,632.6 | 18,286.2 |
| 6. | Construction Work in Progress Beg. Bal. | 6,249.8 | 17,398.8 | 9,090.2 | 9,511.2 | 20,768.7 |
| 7. | Construction Work in Progress End Bal. | 17,398.8 | 9,090.2 | 9,511.2 | 20,768.7 | 18,789.0 |
| 8. | Net Change During Year - CWIP | 11,149.0 | (8,308.6) | 421.0 | 11,257.5 | (1,979.6) |
| 9. | Total Beg. Utility Plant and CWIP | 232,321.2 | 246,381.6 | 260,636.8 | 276,597.1 | 296,487.2 |
| 10. | Net Additions - Total | 14,060.4 | 14,255.2 | 15,960.3 | 19,890.0 | 16,306.5 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | 47.72% |
| 12. | Weighted Average Utility Plant | 239,030.8 | 253,184.2 | 268,253.1 | 286,088.7 | 304,268.6 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|--|---|-----------|-----------|---------------------|-----------------|---------------------------|-------------|
| | | 2019 | 2020 | 2021 | 2022 | 2018 | |
| 1. | Plant in Service Beg. of Year | 294,004.7 | 326,889.8 | 374,285.1 | 403,047.3 | 289,537.0 | PLT RO |
| 2. | Gross Additions During Year | 33,262.9 | 39,449.9 | 29,504.3 | 36,547.2 | 24,937.6 | PLT RO |
| 3. | Retirements | 719.8 | 1,139.7 | 742.0 | 957.2 | 915.3 | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | L5-L2+L3 |
| 5. | Net Additions | 32,543.1 | 38,310.2 | 28,762.2 | 35,590.0 | 24,022.3 | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 18,789.0 | 18,062.2 | 17,046.2 | 18,501.5 | 15,495.7 | PLT RO |
| 7. | Construction Work in Progress End Bal. | 18,062.2 | 17,046.2 | 18,501.5 | 22,383.3 | 12,123.1 | L7+L6 |
| 8. | Net Change During Year - CWIP | (726.8) | (1,016.0) | 1,455.3 | 3,881.8 | (3,372.6) | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 312,793.7 | 344,952.1 | 391,331.3 | 421,548.8 | 305,032.7 | L1+L6 |
| 10. | Net Additions - Total | 31,816.3 | 37,294.2 | 30,217.5 | 39,471.7 | 20,649.7 | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | 41.10% | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 327,976.4 | 362,748.9 | 405,751.1 | 440,384.7 | 313,519.8 | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|-------------|-------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 226,071.4 | 228,982.8 | 251,546.5 | 267,085.9 | 275,718.5 |
| 2. | Gross Additions During Year | 10,091.2 | 23,304.4 | 17,087.5 | 9,509.0 | 20,984.5 |
| 3. | MISC Adjustments | (192.8) | (0.0) | (0.0) | (0.0) | (321.0) |
| 4. | Less Retirements | 6,987.1 | 740.7 | 1,548.2 | 876.5 | 2,377.4 |
| 5. | Plant in Service End. of Year | 228,982.8 | 251,546.5 | 267,085.9 | 275,718.5 | 294,004.7 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|-------------|-------------------------------|-----------|-----------|------------------------|--------------------|---------------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Plant in Service Beg. of Year | 294,004.7 | 326,889.8 | 374,285.1 | 403,047.3 | 289,537.0 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 33,262.9 | 39,449.9 | 29,504.3 | 36,547.2 | 24,937.6 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 719.8 | 1,139.7 | 742.0 | 957.2 | 915.3 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 326,547.7 | 365,200.1 | 403,047.3 | 438,637.3 | 313,559.3 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 239,030.8 | 253,184.2 | 268,253.1 | 286,088.7 | 304,268.6 |
| 2. | Average Customers | 69,721.0 | 70,058.0 | 70,210.0 | 70,430.0 | 70,602.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 3.4 | 3.6 | 3.8 | 4.1 | 4.3 |
| 4. | Change in Weighted Average Utility Plant | N/A | 14,153.4 | 15,068.9 | 17,835.6 | 18,180.0 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 5.92% | 5.95% | 6.65% | 6.35% |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | N/A | 0.0001% | 0.0001% | 0.0001% | 0.0001% |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 327,976.4 | 362,748.9 | 405,751.1 | 440,384.7 | 313,519.8 | 92,231.3 | EXA Tbl 7.1 |
| 2. | Average Customers | 73,180.0 | 73,333.0 | 73,491.0 | 73,647.0 | 70,547.0 | 2,944.0 | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 4.5 | 4.9 | 5.5 | 6.0 | 4.4 | 31.3 | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 23,707.8 | 34,772.5 | 43,002.2 | 34,633.6 | N/A | 92,231.3 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 7.79% | 10.60% | 11.85% | 8.54% | N/A | 29.42% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | 0.0001% | 0.0001% | 0.0002% | 0.0001% | N/A | 0.0004% | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the Southern Division of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its Southern Division. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the Southern Division.

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

Calculation of Weighted Average Plant Reserve

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 87,021.6 | 83,836.6 | 87,084.8 | 89,744.9 | 94,118.8 |
| 2. | Annual Accrual Including CIAC Depreciation | 5,309.8 | 5,672.5 | 6,192.7 | 6,514.8 | 6,903.9 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 6,987.1 | 740.7 | 1,548.2 | 876.5 | 2,377.4 |
| 5. | (Salvage) and Cost of Removal | (1,427.4) | (1,683.6) | (1,984.3) | (1,264.8) | (1,512.2) |
| 6. | Depreciation Reserve Adjustments | (80.4) | 0.0 | 0.0 | 0.4 | (179.9) |
| 7. | | | | | | |
| 8. | Net Accrual | (3,185.1) | 3,248.2 | 2,660.2 | 4,373.9 | 2,834.5 |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.14% |
| 10. | Weighted Average Depreciation | (1,501.4) | 1,531.2 | 1,254.0 | 2,061.9 | 1,336.2 |
| 11. | Weighted Average Deprecation Reserve | 85,520.2 | 85,367.8 | 88,338.8 | 91,806.8 | 95,455.0 |
| | (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 96,953.3 | 103,029.1 | 108,904.1 | 116,396.1 | 95,879.1 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 7,441.7 | 8,246.9 | 9,079.0 | 9,900.7 | 7,147.4 | DEPR RO |
| 3. | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 719.8 | 1,139.7 | 742.0 | 957.2 | 915.3 | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | (646.1) | (1,232.1) | (845.0) | (962.8) | (1,305.6) | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | |
| 8. | Net Accrual | 6,075.7 | 5,875.0 | 7,492.0 | 7,980.7 | 4,926.5 | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.58% | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 2,864.1 | 2,769.5 | 3,531.7 | 3,762.1 | 2,344.0 | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 99,817.4 | 105,798.6 | 112,435.8 | 120,158.2 | 98,223.1 | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 87,021.6 | 83,836.6 | 87,084.8 | 89,744.9 | 94,118.8 |
| 2. | Annual Accrual Including CIAC Depreciation | 5,309.8 | 5,672.5 | 6,192.7 | 6,514.8 | 6,903.9 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 6,987.1 | 740.7 | 1,548.2 | 876.5 | 2,377.4 |
| 4. | (Salvage) and Cost of Removal | (1,427.4) | (1,683.6) | (1,984.3) | (1,264.8) | (1,512.2) |
| 5. | Depreciation Reserve Adjustments | (80.4) | 0.0 | 0.0 | 0.4 | (179.9) |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 83,836.6 | 87,084.8 | 89,744.9 | 94,118.8 | 96,953.3 |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 96,953.3 | 103,029.1 | 108,904.1 | 116,396.1 | 95,879.1 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 7,441.7 | 8,246.9 | 9,079.0 | 9,900.7 | 7,147.4 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 719.8 | 1,139.7 | 742.0 | 957.2 | 915.3 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | (646.1) | (1,232.1) | (845.0) | (962.8) | (1,305.6) | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 103,029.1 | 108,904.1 | 116,396.1 | 124,376.7 | 100,805.6 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in property required to provide quality service to customers in its Southern Division. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

Southern Division - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|-------------|-------------|-------------|-------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 239,030.8 | 253,184.2 | 268,253.1 | 286,088.7 | 304,268.6 |
| 2. | Materials and Supplies | 229.6 | 258.9 | 299.0 | 402.0 | 365.8 |
| 3. | Working Cash, Operational | 4,333.3 | 4,944.0 | 8,036.8 | 8,085.4 | 6,602.9 |
| 4. | Working Cash, Lead Lag | 2,885.0 | 2,885.0 | 1,610.3 | 1,948.2 | 1,892.8 |
| 5. | SUBTOTAL | 246,478.8 | 261,272.0 | 278,199.1 | 296,524.3 | 313,130.1 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (85,520.2) | (85,367.8) | (88,338.8) | (91,806.8) | (95,455.0) |
| 9. | Advances for Construction | (6,281.6) | (6,289.3) | (6,285.1) | (6,147.2) | (6,241.0) |
| 10. | Unamortized Advances (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Contributions in Aid of Construction | (20,224.4) | (20,727.7) | (21,460.0) | (23,681.4) | (26,294.5) |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Accumulated Deferred Federal Income Taxes | (8,176.0) | (9,667.7) | (10,617.1) | (11,412.1) | (15,569.9) |
| 14. | Accumulated Deferred State Income Taxes | (2,265.7) | (3,071.1) | (4,893.5) | (5,639.9) | (5,371.1) |
| 15. | SUBTOTAL DEDUCTIONS | (122,467.8) | (125,123.5) | (131,594.4) | (138,687.4) | (148,931.6) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 124,010.9 | 136,148.6 | 146,604.8 | 157,836.8 | 164,198.5 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 3,869.1 | 4,247.8 | 4,574.1 | 4,924.5 | 4,121.4 |

Rate Base Calc EXA Tbl 9.1

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
Calculation of Weighted Average Rate Base
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-------------|-------------|---------------------|-------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| 1. | Weighted Average Utility Plant in Service | 327,976.4 | 362,748.9 | 405,751.1 | 440,384.7 | | 313,519.8 | RB RO |
| 2. | Materials and Supplies | 330.4 | 335.3 | 341.5 | 349.0 | | 257.2 | RB RO |
| 3. | Working Cash, Operational | 8,369.9 | 7,592.1 | 9,388.4 | 8,241.9 | | 2,414.9 | RB RO |
| 4. | Working Cash, Lead Lag | 2,873.4 | 3,021.4 | 3,341.3 | 3,605.2 | | 1,892.8 | RB RO |
| 5. | SUBTOTAL | 339,550.1 | 373,697.7 | 418,822.2 | 452,580.8 | | 318,084.7 | Sum (L1:L4) |
| 6. | | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (99,817.4) | (105,798.6) | (112,435.8) | (120,158.2) | | (98,223.1) | RB RO |
| 9. | Advances for Construction | (6,936.7) | (7,429.5) | (7,385.1) | (7,343.5) | | (6,531.4) | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | 0.00 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 11. | Contributions in Aid of Construction | (29,089.0) | (31,008.8) | (30,421.7) | (29,822.5) | | (22,349.5) | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (19,495.8) | (21,608.8) | (22,421.3) | (22,673.3) | | (15,900.1) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (5,580.4) | (5,868.7) | (6,278.1) | (6,763.6) | | (5,390.0) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (160,919.5) | (171,714.4) | (178,942.1) | (186,761.0) | | (148,394.0) | Sum (L7:L14) |
| 16. | | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 178,630.6 | 201,983.3 | 239,880.1 | 265,819.8 | | 169,690.6 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | | 7.53% | RB RO |
| 19. | Rate Making Interest | 4,483.6 | 5,069.8 | 6,021.0 | 6,672.1 | | 12,777.7 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-------------|-------------|-------------|-------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$124,010.9 | \$136,148.6 | \$146,604.8 | \$157,836.8 | \$164,198.5 |
| 2. | Average Customers | 69,721.0 | 70,058.0 | 70,210.0 | 70,430.0 | 70,602.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 1.8 | 1.9 | 2.1 | 2.2 | 2.3 |
| 4. | Change in Weighted Average Rate Base Percent of Increase in Weighted | N/A | 12,137.7 | 10,456.2 | 11,232.1 | 6,361.7 |
| 5. | Average Rate Base | N/A | 9.79% | 7.68% | 7.66% | 4.03% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | 0.0001% | 0.0001% | 0.0001% | 0.0001% |

CALIFORNIA-AMERICAN WATER COMPANY
Southern Division - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|---|-------------|-------------|---------------------|-------------|-----------------|-------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2022 | 2018 | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$178,630.6 | \$201,983.3 | \$239,880.1 | \$265,819.8 | \$265,819.8 | \$265,819.8 | \$169,690.6 | \$70,189.4 | RB RO |
| 2. | Average Customers | 73,180.0 | 73,333.0 | 73,491.0 | 73,647.0 | 73,647.0 | 73,647.0 | 70,547.0 | 2,944.0 | ExAch3 TBL3,4,3.5 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 2.4 | 2.8 | 3.3 | 3.6 | 3.6 | 3.6 | 2.405355983 | 23.8 | L1/L2 |
| 4. | Change in Weighted Average Rate Base | 14,432.2 | 23,352.7 | 37,896.7 | 25,939.7 | 25,939.7 | 25,939.7 | N/A | 70,189.4 | Calculated |
| 5. | Percent of Increase in Weighted Average Rate Base | 8.79% | 13.07% | 18.76% | 10.81% | 10.81% | 10.81% | N/A | 41.36% | Calculated |
| 6. | Percent of Incr. in Wgtd Avg Rate Base Per Customer | 0.0001% | 0.0002% | 0.0003% | 0.0001% | 0.0001% | 0.0001% | N/A | 0.0006% | L2/L5 |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Tables in this chapter contain information regarding an analysis of billing information by customer class for the Southern Division. The analysis prices the average level of consumption using current tariff rates and rates proposed by California American Water for customers in its Los Angeles, Ventura, and San Diego Districts in this application. The information is presented as follows:

Table 10.1 - These tables contain a comparison of bills at the average level of consumption at both present rates and rates California American Water proposes to become effective January 1, 2021 for customers in its Los Angeles County, Ventura County, and San Diego County Districts. Information is presented under consolidation.

Table 10.2 - This table contains information about tariff rates currently in effect for customers of the Los Angeles County, Ventura County, and San Diego County Districts of California American Water.

Table 10.3 - This table contains information about tariff rates California American Water proposes be placed into effect on January 1, 2021 for customers of its Los Angeles County, Ventura County, and San Diego County Districts. Information is presented under consolidation.

| LA - Baldwin Hills Current | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 102.8 | | | |
| Customer Class | Residential | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 102.8 | | | |
| Customer Class | Residential | | | |

| LA - Baldwin Hills Current | | | | |
|------------------------------|------------|-----------------|-----------|---------|
| Water Service Charge | 5/8 x 3/4" | | | \$10.04 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 82.00 | \$0.4783 | \$39.22 | |
| Tier 2 | 20.77 | \$0.5978 | \$12.42 | |
| Tier 3 | 0.00 | \$0.7757 | \$0.00 | |
| Tier 4 | 0.00 | \$1.0790 | \$0.00 | |
| Total Usage Charge (100 Gal) | 102.77 | | | \$51.64 |
| Subtotal Base Bill | | | | |
| | | | | \$61.68 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 102.77 | \$0.0094 | \$0.96 | |
| CEBA | 102.77 | \$0.0350 | \$3.60 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 102.77 | \$0.0621 | \$6.38 | |
| Purchased Water | 102.77 | \$0.0269 | \$2.76 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$15.52 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$0.94 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$1.52 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$2.46 |
| Total Bill | | | | |
| | | | | \$79.66 |

| LA - Baldwin Hills Proposed | | | | |
|------------------------------|------------|-----------------|-----------|---------|
| Water Service Charge | 5/8 x 3/4" | | | \$24.62 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 95.10 | \$0.4184 | \$39.79 | |
| Tier 2 | 7.67 | \$0.5977 | \$4.58 | |
| Tier 3 | 0.00 | \$0.9186 | \$0.00 | |
| Tier 4 | 0.00 | \$1.1953 | \$0.00 | |
| Total Usage Charge (100 Gal) | 102.77 | | | \$44.37 |
| Subtotal Base Bill | | | | |
| | | | | \$68.99 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 102.77 | \$0.0062 | \$0.64 | |
| CEBA | 102.77 | \$0.0055 | \$0.57 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 102.77 | \$0.0621 | \$6.38 | |
| Purchased Water | 102.77 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | |
| | | | | \$9.70 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$0.96 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$1.56 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$2.52 |
| Total Bill | | | | |
| | | | | \$81.21 |

| LA - Baldwin Hills Current | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 1" | | | |
| Estimated consumption (CGL's) | 229.3 | | | |
| Customer Class | Commercial | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 1" | | | |
| Estimated consumption (CGL's) | 229.3 | | | |
| Customer Class | Commercial | | | |

| LA - Baldwin Hills Current | | | | |
|----------------------------------|-----------|-----------------|-----------------|-----------------|
| Water Service Charge | 1" | | | \$25.10 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 229.34 | \$0.5978 | \$137.11 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 229.34 | | \$137.11 | |
| Subtotal Base Bill | | | \$162.21 | |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 229.34 | \$0.0094 | \$2.15 | |
| CEBA | 229.34 | \$0.0350 | \$8.03 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 229.34 | \$0.0621 | \$14.24 | |
| Purchased Water | 229.34 | \$0.0269 | \$6.17 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | \$32.40 | |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$2.37 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$3.85 | |
| Subtotal Taxes & Fees | | | \$6.22 | |
| Total Bill | | | | \$200.82 |

| LA - Baldwin Hills Proposed | | | | |
|----------------------------------|-----------|-----------------|-----------------|-----------------|
| Water Service Charge | 1" | | | \$61.55 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 229.34 | \$0.5977 | \$137.07 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 229.34 | | \$137.07 | |
| Subtotal Base Bill | | | \$198.62 | |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 229.34 | \$0.0062 | \$1.43 | |
| CEBA | 229.34 | \$0.0055 | \$1.27 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 229.34 | \$0.0621 | \$14.24 | |
| Purchased Water | 229.34 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | \$19.05 | |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$2.66 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$4.32 | |
| Subtotal Taxes & Fees | | | \$6.98 | |
| Total Bill | | | | \$224.65 |

| LA - Baldwin Hills Current | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 4" | | | |
| Estimated consumption (CGL's) | 4,226.9 | | | |
| Customer Class | Industrial | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 4" | | | |
| Estimated consumption (CGL's) | 4,226.9 | | | |
| Customer Class | Industrial | | | |

| LA - Baldwin Hills Current | | | | |
|----------------------------------|-----------|-----------------|------------|-------------------|
| Water Service Charge | 4" | | | \$251.00 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 4226.94 | \$0.5978 | \$2,527.03 | |
| Tier 2 | 0.00 | | \$0.00 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 4226.94 | | | \$2,527.03 |
| Subtotal Base Bill | | | | |
| | | | | \$2,778.03 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 4226.94 | \$0.0094 | \$39.58 | |
| CEBA | 4226.94 | \$0.0350 | \$148.05 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 4226.94 | \$0.0621 | \$262.49 | |
| Purchased Water | 4226.94 | \$0.0269 | \$113.70 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$565.63 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$40.64 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$66.08 | |
| Subtotal Taxes & Fees | | | | \$106.72 |
| Total Bill | | | | \$3,450.39 |

| LA - Baldwin Hills Proposed | | | | |
|----------------------------------|-----------|-----------------|------------|-------------------|
| Water Service Charge | 4" | | | \$615.52 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 4226.94 | \$0.5977 | \$2,526.29 | |
| Tier 2 | 0.00 | | \$0.00 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 4226.94 | | | \$2,526.29 |
| Subtotal Base Bill | | | | |
| | | | | \$3,141.81 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 4226.94 | \$0.0062 | \$26.37 | |
| CEBA | 4226.94 | \$0.0055 | \$23.40 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 4226.94 | \$0.0621 | \$262.49 | |
| Purchased Water | 4226.94 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | |
| | | | | \$314.36 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$42.19 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$68.60 | |
| Subtotal Taxes & Fees | | | | \$110.78 |
| Total Bill | | | | \$3,566.95 |

| LA - Baldwin Hills Current | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 908.5 | | | |
| Customer Class | Public Authority | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 908.5 | | | |
| Customer Class | Public Authority | | | |

| LA - Baldwin Hills Current | | | | |
|----------------------------------|-----------|-----------------|--|-----------------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 908.53 | \$0.5978 | | \$543.16 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 908.53 | | | \$543.16 |
| Subtotal Base Bill | | | | |
| | | | | \$623.48 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 908.53 | \$0.0094 | | \$8.51 |
| CEBA | 908.53 | \$0.0350 | | \$31.82 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 908.53 | \$0.0621 | | \$56.42 |
| Purchased Water | 908.53 | \$0.0269 | | \$24.44 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | |
| | | | | \$123.00 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$9.08 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$14.76 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$23.84 |
| Total Bill | | | | |
| | | | | \$770.31 |

| LA - Baldwin Hills Proposed | | | | |
|----------------------------------|-----------|-----------------|--|-----------------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 908.53 | \$0.5977 | | \$543.00 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 908.53 | | | \$543.00 |
| Subtotal Base Bill | | | | |
| | | | | \$739.96 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 908.53 | \$0.0062 | | \$5.67 |
| CEBA | 908.53 | \$0.0055 | | \$5.03 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 908.53 | \$0.0621 | | \$56.42 |
| Purchased Water | 908.53 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | |
| | | | | \$69.22 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$9.88 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$16.07 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$25.95 |
| Total Bill | | | | |
| | | | | \$835.14 |

| LA - Duarte Current | | | |
|--|------------|-------------|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | No | |
| Low Income Ratepayer Assistance (LIRA) | | | |
| Meter Size | 5/8 x 3/4" | 123.17 | |
| Estimated consumption (CGL's) | | Residential | |
| Customer Class | | | |

| LA - Duarte Proposed | | | |
|--|------------|-------------|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | No | |
| Low Income Ratepayer Assistance (LIRA) | | | |
| Meter Size | 5/8 x 3/4" | 123.17 | |
| Estimated consumption (CGL's) | | Residential | |
| Customer Class | | | |

| LA - Duarte Current | | | |
|----------------------------------|------------|-----------------|----------------|
| Water Service Charge | 5/8 x 3/4" | | \$10.04 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 82.00 | \$0.3718 | \$30.49 |
| Tier 2 | 41.17 | \$0.4764 | \$19.61 |
| Tier 3 | 0.00 | \$0.5763 | \$0.00 |
| Tier 4 | 0.00 | \$0.8806 | \$0.00 |
| Total Usage Charge (100 Gal) | 123.17 | | \$50.10 |
| Subtotal Base Bill | | | |
| | | | \$60.14 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 123.17 | \$0.0094 | \$1.15 |
| CEBA | 123.17 | \$0.0209 | \$2.57 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 123.17 | \$0.0474 | \$5.84 |
| Purchased Water | 123.17 | \$0.0928 | \$11.43 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$22.80 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.01 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1.64 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.64 |
| Total Bill | | | |
| | | | \$85.59 |

| LA - Duarte Proposed | | | |
|----------------------------------|------------|-----------------|----------------|
| Water Service Charge | 5/8 x 3/4" | | \$24.62 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 95.10 | \$0.34 | \$32.76 |
| Tier 2 | 28.07 | \$0.49 | \$13.81 |
| Tier 3 | 0.00 | \$0.76 | \$0.00 |
| Tier 4 | 0.00 | \$0.98 | \$0.00 |
| Total Usage Charge (100 Gal) | 123.17 | | \$46.57 |
| Subtotal Base Bill | | | |
| | | | \$71.19 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 123.17 | \$0.0062 | \$0.77 |
| CEBA | 123.17 | \$0.0055 | \$0.68 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 123.17 | \$0.0474 | \$5.84 |
| Purchased Water | 123.17 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$9.39 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.98 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1.60 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.58 |
| Total Bill | | | |
| | | | \$83.17 |

| LA - Duarte Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 687.59 | | |
| Customer Class | Commercial | | |

| LA - Duarte Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 687.59 | | |
| Customer Class | Commercial | | |

| LA - Duarte Current | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 687.59 | \$0.4764 | \$327.55 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 687.59 | | \$327.55 | |
| Subtotal Base Bill | | | | \$407.87 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 687.59 | \$0.0094 | \$6.44 | |
| CEBA | 687.59 | \$0.0209 | \$14.36 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 687.59 | \$0.0474 | \$32.59 | |
| Purchased Water | 687.59 | \$0.0928 | \$63.81 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$119.01 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$6.40 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$10.41 | |
| Subtotal Taxes & Fees | | | | \$16.81 |
| Total Bill | | | | \$543.69 |

| LA - Duarte Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 687.59 | \$0.49 | \$338.37 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 687.59 | | \$338.37 | |
| Subtotal Base Bill | | | | \$535.34 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 687.59 | \$0.0062 | \$4.29 | |
| CEBA | 687.59 | \$0.0055 | \$3.81 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 687.59 | \$0.0474 | \$32.59 | |
| Purchased Water | 687.59 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$42.79 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$7.06 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$11.48 | |
| Subtotal Taxes & Fees | | | | \$18.53 |
| Total Bill | | | | \$596.66 |

| LA - Duarte Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 714.19 | | |
| Customer Class | Industrial | | |

| LA - Duarte Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 714.19 | | |
| Customer Class | Industrial | | |

| LA - Duarte Current | | | |
|----------------------------------|---------------------|-----------------------------|--------------------|
| Water Service Charge | 2" | | \$80.32 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 714.19 | Units (per CGL) \$0.4764 | Charge \$340.23 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 714.19 | | \$340.23 |
| Subtotal Base Bill | | | |
| | | | \$420.55 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 714.19 | \$0.0094 | \$6.69 |
| CEBA | 714.19 | \$0.0209 | \$14.91 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 714.19 | \$0.0474 | \$33.85 |
| Purchased Water | 714.19 | \$0.0928 | \$66.28 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$123.54 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$6.61 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$10.75 |
| Subtotal Taxes & Fees | | | |
| | | | \$17.36 |
| Total Bill | | | |
| | | | \$561.45 |

| LA - Duarte Proposed | | | |
|----------------------------------|---------------------|---------------------------|--------------------|
| Water Service Charge | 2" | | \$196.97 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 714.19 | Units (per CGL) \$0.49 | Charge \$351.46 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 714.19 | | \$351.46 |
| Subtotal Base Bill | | | |
| | | | \$548.43 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 714.19 | \$0.0062 | \$4.46 |
| CEBA | 714.19 | \$0.0055 | \$3.95 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 714.19 | \$0.0474 | \$33.85 |
| Purchased Water | 714.19 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$44.37 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$7.24 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$11.77 |
| Subtotal Taxes & Fees | | | |
| | | | \$19.00 |
| Total Bill | | | |
| | | | \$611.80 |

| LA - Duarte Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 766.47 | | |
| Customer Class | Public Authority | | |

| LA - Duarte Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 766.47 | | |
| Customer Class | Public Authority | | |

| LA - Duarte Current | | | | |
|----------------------------------|-----------|-----------------|-----------|-----------------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 766.47 | \$0.4764 | \$365.13 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 766.47 | | \$365.13 | |
| Subtotal Base Bill | | | | |
| | | | | \$445.45 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 766.47 | \$0.0094 | \$7.18 | |
| CEBA | 766.47 | \$0.0209 | \$16.00 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 766.47 | \$0.0474 | \$36.33 | |
| Purchased Water | 766.47 | \$0.0928 | \$71.13 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$132.45 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$7.02 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$11.41 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$18.43 |
| Total Bill | | | | |
| | | | | \$596.34 |

| LA - Duarte Proposed | | | | |
|----------------------------------|-----------|-----------------|-----------|-----------------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 766.47 | \$0.49 | \$377.19 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 766.47 | | \$377.19 | |
| Subtotal Base Bill | | | | |
| | | | | \$574.16 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 766.47 | \$0.0062 | \$4.78 | |
| CEBA | 766.47 | \$0.0055 | \$4.24 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 766.47 | \$0.0474 | \$36.33 | |
| Purchased Water | 766.47 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | |
| | | | | \$47.46 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$7.59 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$12.34 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$19.92 |
| Total Bill | | | | |
| | | | | \$641.54 |

| LA - Duarte Current | | | |
|--|----------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 4,859.91 | | |
| Customer Class | Other | | |

| LA - Duarte Current | | | |
|----------------------------------|----------------------|-----------------------------|----------------------|
| Water Service Charge | 3" | | \$150.60 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 4859.91 | Units (per CGL) \$0.4764 | Charge \$2,315.17 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 4859.91 | | \$2,315.17 |
| Subtotal Base Bill | | | |
| | | | \$2,465.77 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 4859.91 | \$0.0094 | \$45.51 |
| CEBA | 4859.91 | \$0.0209 | \$101.48 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 4859.91 | \$0.0474 | \$230.36 |
| Purchased Water | 4859.91 | \$0.0928 | \$451.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$830.16 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$39.98 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$65.01 |
| Subtotal Taxes & Fees | | | |
| | | | \$104.99 |
| Total Bill | | | |
| | | | \$3,400.92 |

| LA - Duarte Proposed | | | |
|--|----------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 4,859.91 | | |
| Customer Class | Other | | |

| LA - Duarte Proposed | | | |
|----------------------------------|----------------------|---------------------------|----------------------|
| Water Service Charge | 3" | | \$369.31 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 4859.91 | Units (per CGL) \$0.49 | Charge \$2,391.62 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 4859.91 | | \$2,391.62 |
| Subtotal Base Bill | | | |
| | | | \$2,760.93 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 4859.91 | \$0.0062 | \$30.32 |
| CEBA | 4859.91 | \$0.0055 | \$26.90 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 4859.91 | \$0.0474 | \$230.36 |
| Purchased Water | 4859.91 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$289.68 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$37.15 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$60.41 |
| Subtotal Taxes & Fees | | | |
| | | | \$97.56 |
| Total Bill | | | |
| | | | \$3,148.17 |

| LA - San Marino Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 142.59 | | |
| Customer Class | Residential | | |

| LA - San Marino Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 142.59 | | |
| Customer Class | Residential | | |

| LA - San Marino Current | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$10.04 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 97.00 | \$0.3406 | \$33.04 |
| Tier 2 | 45.59 | \$0.4749 | \$21.65 |
| Tier 3 | 0.00 | \$0.6973 | \$0.00 |
| Tier 4 | 0.00 | \$0.9158 | \$0.00 |
| Total Usage Charge (100 Gal) | 142.59 | | \$54.69 |
| Subtotal Base Bill | | | |
| | | | \$64.73 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 142.59 | \$0.0094 | \$1.34 |
| CEBA | 142.59 | \$0.0079 | \$1.13 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 142.59 | \$0.0513 | \$7.32 |
| Purchased Water | 142.59 | \$0.0292 | \$4.16 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$15.75 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.97 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1.58 |
| Subtotal Taxes & Fees | | | |
| | | | \$2.56 |
| Total Bill | | | |
| | | | \$83.04 |

| LA - San Marino Proposed | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$24.62 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 95.10 | \$0.34 | \$32.76 |
| Tier 2 | 39.90 | \$0.49 | \$19.64 |
| Tier 3 | 7.59 | \$0.76 | \$5.74 |
| Tier 4 | 0.00 | \$0.98 | \$0.00 |
| Total Usage Charge (100 Gal) | 142.59 | | \$58.14 |
| Subtotal Base Bill | | | |
| | | | \$82.76 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 142.59 | \$0.0062 | \$0.89 |
| CEBA | 142.59 | \$0.0055 | \$0.79 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 142.59 | \$0.0513 | \$7.32 |
| Purchased Water | 142.59 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$11.10 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.14 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1.86 |
| Subtotal Taxes & Fees | | | |
| | | | \$3.00 |
| Total Bill | | | |
| | | | \$96.86 |

| LA - San Marino Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 417.63 | | |
| Customer Class | Commercial | | |

| LA - San Marino Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 417.63 | | |
| Customer Class | Commercial | | |

| LA - San Marino Current | | | | |
|------------------------------|------------|-----------------|-----------|----------|
| Water Service Charge | 5/8 x 3/4" | | | \$10.04 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 417.63 | \$0.4749 | \$198.34 | |
| Tier 2 | 0.00 | | \$0.00 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 417.63 | | \$198.34 | |
| Subtotal Base Bill | | | | \$208.38 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 417.63 | \$0.0094 | \$3.91 | |
| CEBA | 417.63 | \$0.0079 | \$3.30 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 417.63 | \$0.0513 | \$21.42 | |
| Purchased Water | 417.63 | \$0.0292 | \$12.19 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$42.64 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$3.04 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$4.94 | |
| Subtotal Taxes & Fees | | | | \$7.98 |
| Total Bill | | | | \$259.00 |

| LA - San Marino Proposed | | | | |
|------------------------------|------------|-----------------|-----------|----------|
| Water Service Charge | 5/8 x 3/4" | | | \$24.62 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 417.63 | \$0.49 | \$205.52 | |
| Tier 2 | 0.00 | | \$0.00 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 417.63 | | \$205.52 | |
| Subtotal Base Bill | | | | \$230.14 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 417.63 | \$0.0062 | \$2.61 | |
| CEBA | 417.63 | \$0.0055 | \$2.31 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 417.63 | \$0.0513 | \$21.42 | |
| Purchased Water | 417.63 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$28.45 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$3.15 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$5.12 | |
| Subtotal Taxes & Fees | | | | \$8.27 |
| Total Bill | | | | \$266.85 |

| LA - San Marino Current | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 617.22 | | | |
| Customer Class | Industrial | | | |

| LA - San Marino Proposed | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 617.22 | | | |
| Customer Class | Industrial | | | |

| LA - San Marino Current | | | | |
|------------------------------|---------------------|-----------------------------|--------------------|----------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 617.22 | Units (per CGL) \$0.4749 | Charge \$293.13 | |
| Tier 2 | 0.00 | | \$0.00 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 617.22 | | \$293.13 | |
| Subtotal Base Bill | | | | \$373.45 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 617.22 | \$0.0094 | \$5.78 | |
| CEBA | 617.22 | \$0.0079 | \$4.88 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 617.22 | \$0.0513 | \$31.66 | |
| Purchased Water | 617.22 | \$0.0292 | \$18.02 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$62.15 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$5.29 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$8.60 | |
| Subtotal Taxes & Fees | | | | \$13.88 |
| Total Bill | | | | \$449.49 |

| LA - San Marino Proposed | | | | |
|------------------------------|---------------------|---------------------------|--------------------|----------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 617.22 | Units (per CGL) \$0.49 | Charge \$303.74 | |
| Tier 2 | 0.00 | | \$0.00 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 617.22 | | \$303.74 | |
| Subtotal Base Bill | | | | \$500.71 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 617.22 | \$0.0062 | \$3.85 | |
| CEBA | 617.22 | \$0.0055 | \$3.42 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 617.22 | \$0.0513 | \$31.66 | |
| Purchased Water | 617.22 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$41.03 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$6.62 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$10.76 | |
| Subtotal Taxes & Fees | | | | \$17.37 |
| Total Bill | | | | \$559.12 |

| LA - San Marino Current | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 586.45 | | | |
| Customer Class | Public Authority | | | |

| LA - San Marino Proposed | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 586.45 | | | |
| Customer Class | Public Authority | | | |

| LA - San Marino Current | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 586.45 | \$0.4749 | \$278.52 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 586.45 | | \$278.52 | |
| Subtotal Base Bill | | | | \$358.84 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 586.45 | \$0.0094 | \$5.49 | |
| CEBA | 586.45 | \$0.0079 | \$4.63 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 586.45 | \$0.0513 | \$30.08 | |
| Purchased Water | 586.45 | \$0.0292 | \$17.12 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$59.14 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$5.07 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$8.25 | |
| Subtotal Taxes & Fees | | | | \$13.32 |
| Total Bill | | | | \$431.30 |

| LA - San Marino Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 586.45 | \$0.49 | \$288.60 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 586.45 | | \$288.60 | |
| Subtotal Base Bill | | | | \$485.56 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 586.45 | \$0.0062 | \$3.66 | |
| CEBA | 586.45 | \$0.0055 | \$3.25 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 586.45 | \$0.0513 | \$30.08 | |
| Purchased Water | 586.45 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$39.09 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$6.41 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$10.42 | |
| Subtotal Taxes & Fees | | | | \$16.83 |
| Total Bill | | | | \$541.48 |

| LA - San Marino Current | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 3" | | | |
| Estimated consumption (CGL's) | 218.96 | | | |
| Customer Class | Other | | | |

| LA - San Marino Current | | | | |
|----------------------------------|-----------|-----------------|--|-----------------|
| Water Service Charge | 3" | | | \$150.60 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 218.96 | \$0.4749 | | \$103.99 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 218.96 | | | \$103.99 |
| Subtotal Base Bill | | | | |
| | | | | \$254.59 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 218.96 | \$0.0094 | | \$2.05 |
| CEBA | 218.96 | \$0.0079 | | \$1.73 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 218.96 | \$0.0513 | | \$11.23 |
| Purchased Water | 218.96 | \$0.0292 | | \$6.39 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | |
| | | | | \$23.22 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$3.39 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$5.52 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$8.91 |
| Total Bill | | | | |
| | | | | \$286.71 |

| LA - San Marino Proposed | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 3" | | | |
| Estimated consumption (CGL's) | 218.96 | | | |
| Customer Class | Other | | | |

| LA - San Marino Proposed | | | | |
|----------------------------------|-----------|-----------------|--|-----------------|
| Water Service Charge | 3" | | | \$369.31 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 218.96 | \$0.49 | | \$107.75 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 218.96 | | | \$107.75 |
| Subtotal Base Bill | | | | |
| | | | | \$477.06 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 218.96 | \$0.0062 | | \$1.37 |
| CEBA | 218.96 | \$0.0055 | | \$1.21 |
| LIRA | Flat | \$1.81 | | \$1.8100 |
| WRAM/MCBA | 218.96 | \$0.0513 | | \$11.23 |
| Purchased Water | 218.96 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | |
| | | | | \$15.91 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$6.05 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$9.83 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$15.88 |
| Total Bill | | | | |
| | | | | \$508.86 |

| San Diego Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 66.82 | | |
| Customer Class | Residential | | |

| San Diego Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 66.82 | | |
| Customer Class | Residential | | |

| San Diego Current | | | | |
|------------------------------|------------|-----------------|-----------|---------|
| Water Service Charge | 5/8 x 3/4" | | | \$6.96 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 60.00 | \$0.7555 | \$45.33 | |
| Tier 2 | 6.82 | \$0.8489 | \$5.79 | |
| Tier 3 | 0.00 | \$1.2500 | \$0.00 | |
| Tier 4 | 0.00 | \$1.6787 | \$0.00 | |
| Total Usage Charge (100 Gal) | 66.82 | | | \$51.12 |
| Subtotal Base Bill | | | | |
| | | | | \$58.08 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 66.82 | \$0.0135 | \$0.90 | |
| CEBA | 66.82 | \$0.0180 | \$1.20 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 66.82 | \$0.0791 | \$5.29 | |
| Purchased Water | 66.82 | \$0.0238 | \$1.59 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$10.79 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$0.84 | |
| License Tax | | 2.00% | \$1.36 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$2.20 |
| Total Bill | | | | |
| | | | | \$71.07 |

| San Diego Proposed | | | | |
|------------------------------|------------|-----------------|-----------|---------|
| Water Service Charge | 5/8 x 3/4" | | | \$24.62 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 66.82 | \$0.5680 | \$37.96 | |
| Tier 2 | 0.00 | \$0.8115 | \$0.00 | |
| Tier 3 | 0.00 | \$1.2472 | \$0.00 | |
| Tier 4 | 0.00 | \$1.6229 | \$0.00 | |
| Total Usage Charge (100 Gal) | 66.82 | | | \$37.96 |
| Subtotal Base Bill | | | | |
| | | | | \$62.58 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 66.82 | \$0.0062 | \$0.42 | |
| CEBA | 66.82 | \$0.0055 | \$0.37 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 66.82 | \$0.0791 | \$5.29 | |
| Purchased Water | 66.82 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | |
| | | | | \$8.18 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$0.87 | |
| License Tax | | 2.00% | \$1.41 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$2.27 |
| Total Bill | | | | |
| | | | | \$73.03 |

| San Diego Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 490.30 | | |
| Customer Class | Commercial | | |

| San Diego Current | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$6.96 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 490.30 | \$0.8489 | \$416.20 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 490.30 | | \$416.20 |
| Subtotal Base Bill | | | |
| | | | \$423.16 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 490.30 | \$0.0135 | \$6.63 |
| CEBA | 490.30 | \$0.0180 | \$8.83 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 490.30 | \$0.0791 | \$38.78 |
| Purchased Water | 490.30 | \$0.0238 | \$11.67 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$67.71 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$5.96 |
| License Tax | | 2.00% | \$9.68 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$15.64 |
| Total Bill | | | |
| | | | \$506.51 |

| San Diego Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 490.30 | | |
| Customer Class | Commercial | | |

| San Diego Proposed | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$24.62 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 490.30 | \$0.8115 | \$397.85 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 490.30 | | \$397.85 |
| Subtotal Base Bill | | | |
| | | | \$422.47 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 490.30 | \$0.0062 | \$3.06 |
| CEBA | 490.30 | \$0.0055 | \$2.71 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 490.30 | \$0.0791 | \$38.78 |
| Purchased Water | 490.30 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$46.66 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$5.73 |
| License Tax | | 2.00% | \$9.32 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$15.05 |
| Total Bill | | | |
| | | | \$484.19 |

| San Diego Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 988.03 | | |
| Customer Class | Public Authority | | |

| San Diego Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 988.03 | | |
| Customer Class | Public Authority | | |

| San Diego Current | | | | |
|------------------------------|-----------|-----------------|-----------|------------|
| Water Service Charge | 2" | | | \$55.68 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 988.03 | \$0.8489 | \$838.72 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 988.03 | | \$838.72 | |
| Subtotal Base Bill | | | | \$894.40 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 988.03 | \$0.0135 | \$13.35 | |
| CEBA | 988.03 | \$0.0180 | \$17.78 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 988.03 | \$0.0791 | \$78.15 | |
| Purchased Water | 988.03 | \$0.0238 | \$23.51 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$134.62 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$12.49 | |
| License Tax | | 2.00% | \$20.31 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$32.81 |
| Total Bill | | | | \$1,061.82 |

| San Diego Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|------------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 988.03 | \$0.8115 | \$801.75 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 988.03 | | \$801.75 | |
| Subtotal Base Bill | | | | \$998.71 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 988.03 | \$0.0062 | \$6.16 | |
| CEBA | 988.03 | \$0.0055 | \$5.47 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 988.03 | \$0.0791 | \$78.15 | |
| Purchased Water | 988.03 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$91.89 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$13.34 | |
| License Tax | | 2.00% | \$21.69 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$35.03 |
| Total Bill | | | | \$1,125.63 |

| San Diego Current | | | | |
|--|-----------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Diego | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 3" | | | |
| Estimated consumption (CGL's) | 1,088.91 | | | |
| Customer Class | Other | | | |

| San Diego Current | | | | |
|------------------------------|-----------|-----------------|-----------|------------|
| Water Service Charge | 3" | | | \$104.40 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 1088.91 | \$0.8489 | \$924.35 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 1088.91 | | \$924.35 | |
| Subtotal Base Bill | | | | \$1,028.75 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1088.91 | \$0.0135 | \$14.72 | |
| CEBA | 1088.91 | \$0.0180 | \$19.60 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 1088.91 | \$0.0791 | \$86.13 | |
| Purchased Water | 1088.91 | \$0.0238 | \$25.91 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$148.17 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$14.30 | |
| License Tax | | 2.00% | \$23.24 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$37.54 |
| Total Bill | | | | \$1,214.46 |

| San Diego Proposed | | | | |
|--|-----------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Diego | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 3" | | | |
| Estimated consumption (CGL's) | 1,088.91 | | | |
| Customer Class | Other | | | |

| San Diego Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|------------|
| Water Service Charge | 3" | | | \$369.31 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 1088.91 | \$0.8115 | \$883.60 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 1088.91 | | \$883.60 | |
| Subtotal Base Bill | | | | \$1,252.91 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1088.91 | \$0.0062 | \$6.79 | |
| CEBA | 1088.91 | \$0.0055 | \$6.03 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 1088.91 | \$0.0791 | \$86.13 | |
| Purchased Water | 1088.91 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$101.06 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$16.57 | |
| License Tax | | 2.00% | \$26.94 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$43.51 |
| Total Bill | | | | \$1,397.48 |

| Ventura Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 126.63 | | |
| Customer Class | Residential | | |

| Ventura Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 126.63 | | |
| Customer Class | Residential | | |

| Ventura Current | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$8.73 |
| Water Usage Charge: | Rate/Unit | Units (per CGL) | Charge |
| Tier 1 | 90.00 | \$0.5269 | \$47.42 |
| Tier 2 | 36.63 | \$0.6755 | \$24.74 |
| Tier 3 | 0.00 | \$0.8985 | \$0.00 |
| Tier 4 | 0.00 | \$1.3241 | \$0.00 |
| Total Usage Charge (100 Gal) | 126.63 | | \$72.17 |
| Subtotal Base Bill | | | |
| | | | \$80.90 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 126.63 | \$0.0129 | \$1.64 |
| CEBA | 126.63 | \$0.0129 | \$1.63 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 126.63 | \$0.0709 | \$8.98 |
| Purchased Water | 126.63 | \$0.0363 | \$4.59 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$18.65 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.20 |
| License Tax | | 2.00% | \$1.96 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$3.16 |
| Total Bill | | | |
| | | | \$102.71 |

| Ventura Proposed | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$24.62 |
| Water Usage Charge: | Rate/Unit | Units (per CGL) | Charge |
| Tier 1 | 95.10 | \$0.4509 | \$42.88 |
| Tier 2 | 31.53 | \$0.6442 | \$20.31 |
| Tier 3 | 0.00 | \$0.9901 | \$0.00 |
| Tier 4 | 0.00 | \$1.2883 | \$0.00 |
| Total Usage Charge (100 Gal) | 126.63 | | \$63.19 |
| Subtotal Base Bill | | | |
| | | | \$87.81 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 126.63 | \$0.0062 | \$0.79 |
| CEBA | 126.63 | \$0.0055 | \$0.70 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 126.63 | \$0.0709 | \$8.98 |
| Purchased Water | 126.63 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$12.57 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.23 |
| License Tax | | 2.00% | \$1.99 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$3.22 |
| Total Bill | | | |
| | | | \$103.60 |

| Ventura Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 744.45 | | |
| Customer Class | Commercial | | |

| Ventura Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 744.45 | | |
| Customer Class | Commercial | | |

| Ventura Current | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$69.84 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 744.45 | \$0.6755 | \$502.91 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 744.45 | | \$502.91 | |
| Subtotal Base Bill | | | | \$572.75 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 744.45 | \$0.0129 | \$9.63 | |
| CEBA | 744.45 | \$0.0129 | \$9.60 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 744.45 | \$0.0709 | \$52.78 | |
| Purchased Water | 744.45 | \$0.0363 | \$26.99 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$100.81 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$8.17 | |
| License Tax | | 2.00% | \$13.28 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$21.45 |
| Total Bill | | | | \$695.01 |

| Ventura Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 744.45 | \$0.6442 | \$479.55 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 744.45 | | \$479.55 | |
| Subtotal Base Bill | | | | \$676.52 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 744.45 | \$0.0062 | \$4.64 | |
| CEBA | 744.45 | \$0.0055 | \$4.12 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 744.45 | \$0.0709 | \$52.78 | |
| Purchased Water | 744.45 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$63.65 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$9.05 | |
| License Tax | | 2.00% | \$14.71 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$23.76 |
| Total Bill | | | | \$763.93 |

| Ventura Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 2,192.56 | | |
| Customer Class | Industrial | | |

| Ventura Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 2,192.56 | | |
| Customer Class | Industrial | | |

| Ventura Current | | | |
|----------------------------------|----------------------|-----------------------------|----------------------|
| Water Service Charge | 2" | | \$69.84 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 2192.56 | Units (per CGL) \$0.6755 | Charge \$1,481.18 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 2192.56 | | \$1,481.18 |
| Subtotal Base Bill | | | |
| | | | \$1,551.02 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 2192.56 | \$0.0129 | \$28.36 |
| CEBA | 2192.56 | \$0.0129 | \$28.28 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 2192.56 | \$0.0709 | \$155.45 |
| Purchased Water | 2192.56 | \$0.0363 | \$79.49 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$293.40 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$22.34 |
| License Tax | | 2.00% | \$36.32 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$58.66 |
| Total Bill | | | |
| | | | \$1,903.08 |

| Ventura Proposed | | | |
|----------------------------------|----------------------|-----------------------------|----------------------|
| Water Service Charge | 2" | | \$196.97 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit 2192.56 | Units (per CGL) \$0.6442 | Charge \$1,412.38 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 2192.56 | | \$1,412.38 |
| Subtotal Base Bill | | | |
| | | | \$1,609.35 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 2192.56 | \$0.0062 | \$13.68 |
| CEBA | 2192.56 | \$0.0055 | \$12.14 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 2192.56 | \$0.0709 | \$155.45 |
| Purchased Water | 2192.56 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$183.37 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$21.88 |
| License Tax | | 2.00% | \$35.58 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$57.46 |
| Total Bill | | | |
| | | | \$1,850.18 |

| Ventura Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 1,276.82 | | |
| Customer Class | Public Authority | | |

| Ventura Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 1,276.82 | | |
| Customer Class | Public Authority | | |

| Ventura Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$69.84 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1276.82 | \$0.6755 | \$862.55 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1276.82 | | \$862.55 |
| Subtotal Base Bill | | | |
| | | | \$932.39 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1276.82 | \$0.0129 | \$16.51 |
| CEBA | 1276.82 | \$0.0129 | \$16.47 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 1276.82 | \$0.0709 | \$90.53 |
| Purchased Water | 1276.82 | \$0.0363 | \$46.29 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$171.61 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$13.38 |
| License Tax | | 2.00% | \$21.75 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$35.13 |
| Total Bill | | | |
| | | | \$1,139.13 |

| Ventura Proposed | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$196.97 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1276.82 | \$0.6442 | \$822.49 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1276.82 | | \$822.49 |
| Subtotal Base Bill | | | |
| | | | \$1,019.45 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1276.82 | \$0.0062 | \$7.97 |
| CEBA | 1276.82 | \$0.0055 | \$7.07 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 1276.82 | \$0.0709 | \$90.53 |
| Purchased Water | 1276.82 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$107.66 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$13.77 |
| License Tax | | 2.00% | \$22.38 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$36.15 |
| Total Bill | | | |
| | | | \$1,163.26 |

| Ventura Current | | | |
|--|--------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 1,647.73 | | |
| Customer Class | Construction | | |

| Ventura Proposed | | | |
|--|--------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 1,647.73 | | |
| Customer Class | Construction | | |

| Ventura Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 3" | | \$130.95 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1647.73 | \$0.6755 | \$1,113.12 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1647.73 | | \$1,113.12 |
| Subtotal Base Bill | | | |
| | | | \$1,244.07 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1647.73 | \$0.0129 | \$21.31 |
| CEBA | 1647.73 | \$0.0129 | \$21.26 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 1647.73 | \$0.0709 | \$116.82 |
| Purchased Water | 1647.73 | \$0.0363 | \$59.74 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$220.94 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$17.76 |
| License Tax | | 2.00% | \$28.87 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$46.63 |
| Total Bill | | | |
| | | | \$1,511.64 |

| Ventura Proposed | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 3" | | \$369.31 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1647.73 | \$0.6442 | \$1,061.42 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1647.73 | | \$1,061.42 |
| Subtotal Base Bill | | | |
| | | | \$1,430.73 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1647.73 | \$0.0062 | \$10.28 |
| CEBA | 1647.73 | \$0.0055 | \$9.12 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 1647.73 | \$0.0709 | \$116.82 |
| Purchased Water | 1647.73 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$138.33 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$19.17 |
| License Tax | | 2.00% | \$31.18 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$50.35 |
| Total Bill | | | |
| | | | \$1,619.41 |

| Bellflower Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 84.60 | | |
| Customer Class | Residential | | |

| Bellflower Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 84.60 | | |
| Customer Class | Residential | | |

| Bellflower Current | | | | |
|----------------------------------|------------|-----------------|-----------|----------------|
| Water Service Charge | 5/8 x 3/4" | | | \$29.63 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 84.60 | \$0.2952 | \$24.97 | |
| Tier 2 | | \$0.0000 | \$0.00 | |
| Tier 3 | | \$0.0000 | \$0.00 | |
| Tier 4 | | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 84.60 | | | \$24.97 |
| Subtotal Base Bill | | | | |
| | | | | \$54.60 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 84.60 | \$0.0000 | \$0.00 | |
| CEBA | 84.60 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.00 | |
| WRAM/MCBA | 84.60 | \$0.0000 | \$0.00 | |
| Purchased Water | 84.60 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 0.00% | \$0.00 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$0.00 |
| Total Bill | | | | \$54.60 |

| Bellflower Proposed | | | | |
|----------------------------------|------------|-----------------|-----------|----------------|
| Water Service Charge | 5/8 x 3/4" | | | \$24.62 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 84.60 | \$0.3445 | \$29.14 | |
| Tier 2 | | \$0.4921 | \$0.00 | |
| Tier 3 | | \$0.7564 | \$0.00 | |
| Tier 4 | | \$0.9842 | \$0.00 | |
| Total Usage Charge (100 Gal) | 84.60 | | | \$29.14 |
| Subtotal Base Bill | | | | |
| | | | | \$53.76 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 84.60 | \$0.0000 | \$0.00 | |
| CEBA | 84.60 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.0000 | |
| WRAM/MCBA | 84.60 | \$0.0000 | \$0.00 | |
| Purchased Water | 84.60 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$0.66 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | X.XX | X.XX | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$0.66 |
| Total Bill | | | | \$54.43 |

| Bellflower Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 194.87 | | |
| Customer Class | Commercial | | |

| Bellflower Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 194.87 | | |
| Customer Class | Commercial | | |

| Bellflower Current | | | | |
|----------------------------------|------------|-----------------|-----------|----------------|
| Water Service Charge | 5/8 x 3/4" | | | \$29.63 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 194.87 | \$0.2952 | \$57.52 | |
| Tier 3 | | \$0.0000 | \$0.00 | |
| Tier 4 | | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 194.87 | | \$0.00 | \$57.52 |
| Subtotal Base Bill | | | | |
| | | | | \$87.15 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 194.87 | \$0.0000 | \$0.00 | |
| CEBA | 194.87 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.00 | |
| WRAM/MCBA | 194.87 | \$0.0000 | \$0.00 | |
| Purchased Water | 194.87 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 0.00% | \$0.00 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$0.00 |
| Total Bill | | | | \$87.15 |

| Bellflower Proposed | | | | |
|----------------------------------|------------|-----------------|-----------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | | \$24.62 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 194.87 | \$0.4921 | \$95.90 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 194.87 | | \$0.00 | \$95.90 |
| Subtotal Base Bill | | | | |
| | | | | \$120.52 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 194.87 | \$0.0000 | \$0.00 | |
| CEBA | 194.87 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.0000 | |
| WRAM/MCBA | 194.87 | \$0.0000 | \$0.00 | |
| Purchased Water | 194.87 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | |
| | | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$1.48 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | X.XX | X.XX | |
| Subtotal Taxes & Fees | | | | |
| | | | | \$1.48 |
| Total Bill | | | | \$122.00 |

| Bellflower Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 105.55 | | |
| Customer Class | Public Authority | | |

| Bellflower Current | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 1" | | \$85.37 |
| Water Usage Charge: | Rate/Unit | Units (per CGL) | Charge |
| Tier 1 | 105.55 | \$0.2952 | \$31.16 |
| Tier 2 | | \$0.0000 | \$0.00 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 105.55 | | \$31.16 |
| Subtotal Base Bill | | | |
| | | | \$116.53 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 105.55 | \$0.0000 | \$0.00 |
| CEBA | 105.55 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 105.55 | \$0.0000 | \$0.00 |
| Purchased Water | 105.55 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 0.00% | \$0.00 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.00 |
| Total Bill | | | \$116.53 |

| Bellflower Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 105.55 | | |
| Customer Class | Public Authority | | |

| Bellflower Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 1" | | \$61.55 |
| Water Usage Charge: | Rate/Unit | Units (per CGL) | Charge |
| Tier 1 | 105.55 | \$0.4921 | \$51.94 |
| Tier 2 | 0.00 | | \$0.00 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 105.55 | | \$51.94 |
| Subtotal Base Bill | | | |
| | | | \$113.49 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 105.55 | \$0.0000 | \$0.00 |
| CEBA | 105.55 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.0000 |
| WRAM/MCBA | 105.55 | \$0.0000 | \$0.00 |
| Purchased Water | 105.55 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.40 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | X.XX | X.XX |
| Subtotal Taxes & Fees | | | |
| | | | \$1.40 |
| Total Bill | | | \$114.89 |

| Bellflower Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 937.49 | | |
| Customer Class | Other | | |

| Bellflower Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 937.49 | | |
| Customer Class | Other | | |

| Bellflower Current | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$289.61 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 937.49 | \$0.2952 | \$276.74 | |
| Tier 2 | | \$0.0000 | \$0.00 | |
| Tier 3 | | \$0.0000 | \$0.00 | |
| Tier 4 | | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 937.49 | | \$276.74 | |
| Subtotal Base Bill | | | | \$566.35 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 937.49 | \$0.0000 | \$0.00 | |
| CEBA | 937.49 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.00 | |
| WRAM/MCBA | 937.49 | \$0.0000 | \$0.00 | |
| Purchased Water | 937.49 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 0.00% | \$0.00 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$0.00 |
| Total Bill | | | | \$566.35 |

| Bellflower Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$196.97 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| | 937.49 | \$0.4921 | \$461.35 | |
| Tier 2 | | 0.00 | \$0.00 | |
| Tier 3 | | 0.00 | \$0.00 | |
| Tier 4 | | 0.00 | \$0.00 | |
| Total Usage Charge (100 Gal) | 937.49 | | \$461.35 | |
| Subtotal Base Bill | | | | \$658.32 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 937.49 | \$0.0000 | \$0.00 | |
| CEBA | 937.49 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.0000 | |
| WRAM/MCBA | 937.49 | \$0.0000 | \$0.00 | |
| Purchased Water | 937.49 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$8.10 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | X.XX | X.XX | |
| Subtotal Taxes & Fees | | | | \$8.10 |
| Total Bill | | | | \$666.41 |

| Rio Plaza Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3/4" | | |
| Estimated consumption (CGL's) | 98.66 | | |
| Customer Class | Residential | | |

| Rio Plaza Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3/4" | | |
| Estimated consumption (CGL's) | 98.66 | | |
| Customer Class | Residential | | |

| Rio Plaza Current | | | | |
|----------------------------------|--------------------|-----------------------------|------------------|----------------|
| Water Service Charge | 3/4" | | | \$29.87 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 44.88 | Units (per CGL) \$0.1939 | Charge \$8.70 | |
| Tier 2 | 44.88 | \$0.3142 | \$14.10 | |
| Tier 3 | 8.90 | \$0.4492 | \$4.00 | |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 98.66 | | | \$26.80 |
| Subtotal Base Bill | | | | |
| | | | | \$56.67 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 98.66 | \$0.0000 | \$0.00 | |
| CEBA | 98.66 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.00 | |
| WRAM/MCBA | 98.66 | \$0.0000 | \$0.00 | |
| Purchased Water | 98.66 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$0.70 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$0.70 |
| Total Bill | | | | \$57.36 |

| Rio Plaza Proposed | | | | |
|----------------------------------|--------------------|-----------------------------|-------------------|----------------|
| Water Service Charge | 3/4" | | | \$24.62 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit 95.10 | Units (per CGL) \$0.3445 | Charge \$32.76 | |
| Tier 2 | 3.56 | \$0.4921 | \$1.75 | |
| Tier 3 | 0.00 | \$0.7564 | \$0.00 | |
| Tier 4 | 0.00 | \$0.9842 | \$0.00 | |
| Total Usage Charge (100 Gal) | 98.66 | | | \$34.51 |
| Subtotal Base Bill | | | | |
| | | | | \$59.13 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 98.66 | \$0.0062 | \$0.62 | |
| CEBA | 98.66 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 98.66 | \$0.0000 | \$0.00 | |
| Purchased Water | 98.66 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$2.72 |
| Taxes and Fees: | | | Charge | |
| Commission Surcharge | | 1.23% | \$0.75 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$1.22 | |
| Subtotal Taxes & Fees | | | | \$1.98 |
| Total Bill | | | | \$63.83 |

| Rio Plaza Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 1,794.08 | | |
| Customer Class | Commercial | | |

| Rio Plaza Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 1,794.08 | | |
| Customer Class | Commercial | | |

| Rio Plaza Current | | | | |
|------------------------------|-----------|-----------------|-----------|--|
| Water Service Charge | 1" | | \$49.80 | |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 1794.08 | \$0.3142 | \$563.65 | |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 | |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 | |
| Total Usage Charge (100 Gal) | 1794.08 | | \$563.65 | |
| Subtotal Base Bill | | | \$613.45 | |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1794.08 | \$0.0000 | \$0.00 | |
| CEBA | 1794.08 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$0.00 | \$0.00 | |
| WRAM/MCBA | 1794.08 | \$0.0000 | \$0.00 | |
| Purchased Water | 1794.08 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | \$0.00 | |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$7.55 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | \$7.55 | |
| Total Bill | | | \$620.99 | |

| Rio Plaza Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|--|
| Water Service Charge | 1" | | \$24.62 | |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 1794.08 | \$0.4921 | \$882.89 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 1794.08 | | \$882.89 | |
| Subtotal Base Bill | | | \$907.51 | |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1794.08 | \$0.0062 | \$11.19 | |
| CEBA | 1794.08 | \$0.0000 | \$0.00 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 1794.08 | \$0.0000 | \$0.00 | |
| Purchased Water | 1794.08 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | \$13.30 | |
| Taxes and Fees: | | | Charge | |
| Commission Surcharge | | 1.23% | \$11.19 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$18.19 | |
| Subtotal Taxes & Fees | | | \$29.38 | |
| Total Bill | | | \$950.18 | |

LOS ANGELES COUNTY STAND ALONE

| CHAPTER | TABLE | EXHIBIT DESCRIPTION |
|-----------|----------------------|--|
| Chapter 1 | | INTRODUCTION AND SUMMARY OF APPLICATION |
| | Chapter Introduction | Discusses Historical And Present Operations And Primary Causes For Proposed Rate Increases |
| | | |
| | | |
| Chapter 2 | | HISTORICAL AND PROJECTED SUMMARY OF EARNINGS |
| | Chapter Introduction | Discusses Summary Of Earnings Details |
| | Table 2.1 | Comparative Summary of Earnings for Test Year at Present and Proposed Rates |
| | Table 2.2 | Summary of Earnings At Proposed Rates |
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| | Table 2.4 | Summary of Revenue Requirement Calculation |
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| | Table 3.1 | Customers at Year End - Recorded |
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| | Table 3.3 | Calculation of the Percent of Increase in Customers at Year End - Authorized - Recorded - Proposed |
| | Table 3.4 | Average Number of Customers - Recorded |
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| | Table 3.12 | Calculation of the Percent of Increase in Annual Consumption - Auth - Rec - Propo |
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| | Table 3.19 | Calculation of Percent of Increase in Operating Revenue at Present Rates - Auth - Rec - Prop |
| | Table 3.20 | Operating Revenues at Proposed Rate - Recorded |
| | Table 3.21 | Operating Revenues at Proposed Rate - Authorized - Proposed |
| | Table 3.22 | Calculation of Percent of Increase in Operating Revenue at Proposed Rates - Auth - Rec - Prop |
| | Table 3.23 | Operating Revenues Per Customer - Recorded |
| | Table 3.24 | Operating Revenues Per Customer - Authorized - Proposed |
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| Chapter 4 | | OPERATING EXPENSES |
| | Chapter Introduction | Discusses Summary Of Operating Expense Information |
| | Table 4.1 | Summary of Total Operating Expenses - Recorded-Authorized-Proposed |
| | Table 4.2 | Payroll Expense |
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| | Table 4.4 | Summary of Maintenance Expenses - Recorded-Authorized-Proposed |
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| | Table 4.6a | Expenses Per Customer-Recorded Years |
| | Table 4.6b | Expenses Per Customer-Projected Years |
| | Table 4.7 | Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
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| | | |

LOS ANGELES COUNTY STAND ALONE

[illegible]

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This section contains information regarding the corporate and operating history of the Los Angeles Districts of California American Water. This information will enable the CPUC and parties reviewing the GRC application to understand the development of the district, the unique nature of the service territory and other issues faced by the district throughout its history that have shaped the present operation. Additionally, in this application, California American Water has included the Rio Plaza and Bellflower acquisitions within the Los Angeles District.

LOS ANGELES DISTRICT

HISTORY OF THE LOS ANGELES DISTRICT OPERATION

Baldwin Hills Service Area

Athletes competing in the 1932 Olympic Games were the first residents in the Baldwin Hills area. After the Olympic Village was removed, the Los Angeles Investment Company (Investment Company) purchased the land and prepared the property for home construction. In 1964, California Water and Telephone acquired the water system built by the Investment Company. American Water Works Company, Inc. (American Water) acquired California Water and Telephone in 1966.

The Baldwin Hills service area is centrally located in an unincorporated area of Los Angeles County southwest of downtown Los Angeles and just a few miles east of the Los Angeles International Airport.

On the west side of the service area, 340 acres were occupied by the Chevron Company of Southern California until 1991, when part of the property was divided and sold to Stocker Resources and Lewis Homes for residential development. Stocker Resources remains the largest water consumer in the area, using thousands of gallons of water every day to extract oil from the ground.

The water supply for the Baldwin Hills service area is obtained in nearly equal proportions from five wells owned by California American Water. Water is also purchased from the Metropolitan Water District (MWD) and the West Basin Municipal Water District.

Duarte Service Area

In 1854, Andreas Duarte diverted water from the San Gabriel River via canal to carry it on to Azusa Duarte Ranch. In 1859, a portion of the ranch south of the present Duarte Road was sold to Mr. N. Beardslee. Mr. Beardslee constructed a branch from the canal to serve his property. Property owners who purchased land in the southern area from Mr. Beardslee subsequently formed the Beardslee Water Ditch Company as a mutual water company. In 1882, owners from the Upper Duarte Ranch also formed a separate mutual water company. The two companies jointly claimed about one-third of the total flow from the San Gabriel River under rights established in the Compromise Agreement of 1890.

In 1901, the companies drilled wells to provide ground water during time of low river flow. The original ditches were replaced with large concrete gravity conduits. Portions of this system are still in use today.

As population grew, farm lands were subdivided and separate water distribution systems installed for domestic water use, in addition to the existing irrigation systems.

In 1947, the two mutual water companies merged to form Duarte Mutual Water Company. In 1958, the mutual water companies and the irrigation system came under the jurisdiction of the CPUC. In 1964, California Water and Telephone Company purchased the Duarte Water Company and in 1966, sold all of its California water properties to American Water.

San Marino Service Area

The San Marino service area lies ten miles northeast of downtown Los Angeles in the San Gabriel Valley. The administrative offices for the service area are located in the City of San Marino, which is named after the Italian republic. The service area includes San Marino and portions of neighboring Rosemead, San Gabriel, Temple City, El Monte and unincorporated areas of Pasadena.

The San Gabriel Mission was established in 1771 by Captain Juan Bautista De Anza along the first Spanish land route from Mexico to San Francisco. Individuals living in and around the Mission dug ditches and rows to transport irrigation water from the San Gabriel River to the Mission.

The service area is composed of two systems, referred to as the Upper System and the Lower System. Each produces about the same amount of water and in 1985 were linked by the installation of a 20-inch pipeline that stretches two and one-half miles.

Most of the water in the service area is produced from 22 wells. These wells are located in the San Gabriel and Raymond Basins. A connection to the MWD Southern California system provides supplementary water for use during peak demand periods and for blending water for water quality purposes.

PRESENT OPERATIONS OF THE LOS ANGELES DISTRICT

District Operations and Personnel

The combined Los Angeles District Operations Center for the Baldwin Hills, Duarte and San Marino service areas is located at 8657 Grand Ave., Rosemead California. The Center provides accommodations for distribution, meter reading, customer service, production and operating activities (i.e. valve and hydrant work, pipeline location and the inspection of capital projects), as well as office space for the Water Quality Superintendent. The Center also houses division and district vehicles and equipment, a yard for materials and supplies, a meter test shop and a water quality laboratory. The .75 Rosemead reservoir, two wells and booster facility with three boosters are all part of the operating system.

Service Areas

The Baldwin Hills service area provides public, domestic water utility service to an unincorporated area of Los Angeles County located northeast of the Los Angeles International Airport. The communities of View Park and Ladera Heights are within the service area.

The Duarte service area provides public, domestic water utility service to the cities of Duarte and Bradbury, a portion of the cities of Monrovia and Irwindale as well as an

unincorporated county area. Irrigation service is also provided to customers in the cities of Duarte and Bradbury from a separate distribution system.

The San Marino service area provides public, domestic water utility service to the city of San Marino, a portion of the cities of Rosemead, San Gabriel, El Monte, Temple City and an unincorporated county area south of Pasadena.

Copies of service area maps are on file with the CPUC.

Sources of Water Supply

Baldwin Hills Service Area

Water supply for the Baldwin Hills service area comes from two primary sources: 1) wells pumping from the Main San Gabriel Basin and 2) from Fish Canyon run-off for irrigation and spreading purposes. Additionally, there are eight active wells and seven booster stations on the distribution system used to meet the demand of various pressure zones.

Duarte Service Area

Water supply for the Duarte service area comes from two primary sources: 1) wells pumping from the Central Basin and 2) from two connections with the MWD. Additionally, there are five active wells and four booster stations on the distribution system used to meet the demand of various pressure zones. There are four booster stations on the irrigation system.

San Marino Service Area

Water supply for the San Marino service area comes from two primary sources: 1) a connection with MWD located in Pasadena and 2) wells pumping from both the Raymond Basin and the Main San Gabriel Basin. An interconnection with the City of Pasadena has been established in the northwest portion of the service area to maintain supply during periods of high demand. Additionally, there are twelve active wells and seven booster stations on the distribution system used to meet the demand of various pressure zones.

The Los Angeles District has an on-going program to refurbish existing wells and restore them to their original capacity as equipment becomes less efficient and/or the failure of wells and

well casings occurs. All present wells pump directly into the distribution system after appropriate water treatment is accomplished as needed.

ACQUISITION OF RIO PLAZA

HISTORY OF THE DISTRICT OPERATION

Rio Plaza – Included in Ventura County Operations/Los Angeles Rate Tariff

The Rio Plaza water system currently serves approximately 520 customers in the unincorporated community of El Rio, California, which is located near Oxnard. The Rio Plaza water system includes two active wells, two hydropneumatic tanks, two bolted steel storage tanks, a booster pump station, distribution pipelines, fire hydrants, and isolation valves. Water produced by the wells is pumped into the bolted steel storage tanks. Wells start when the level in the storage tanks fall below a low-level set point. When distribution system pressure falls below a low-level set point, the booster pump station pumps water from the storage tanks through the hydropneumatics tanks and into the distribution system. Sodium hypochlorite is injected at the intake of the bolted steel tanks to provide disinfection in the Rio Plaza distribution system.

The Rio Plaza distribution system includes distribution pipelines and appurtenances to convey water from the wells and storage tanks to Rio Plaza customers. All service connections in the Rio Plaza system are metered. The distribution system includes gate and butterfly valves to isolate portions of the distribution system for maintenance or an emergency, and fire hydrants for fire flow and community safety.

California American Water is also committed to a smooth transition of Rio Plaza into its current operations. The acquisition will be a tuck-in that will fold into the Ventura County District and operated with current staff. The close proximity of the Rio Plaza to the Ventura County District's Operations Center will accommodate swift response times by employees. Not only during the day, but at night, on weekends and during holidays. California American Water has worked extensively with Rio Plaza staff to transfer Rio Plaza customer and system asset data into the California American Water data systems prior to the acquisition to ensure a smooth and rapid transition. This will enable California American Water employees to promptly address customer concerns and issues on day one of the acquisition.

In addition, the system assets will be put on the same maintenance schedule currently used by California American Water. Upon acquisition, former Rio Plaza customers will have access to California American Water's resources and staff expertise. Including, but not limited to, Engineering, Legal, Water Quality, Finance, Web Based Services and a Customer Service Center with 24/7 emergency access. This presence and accessibility will be beneficial to Rio Plaza customers. These benefits all represent an improvement to the service and resources currently available to Rio Plaza customers. The Commission recently approved the Rio Plaza acquisition in D.19-04-015.

ACQUISITION OF BELLFLOWER

HISTORY OF THE DISTRICT OPERATION

Bellflower – Los Angeles District Operations/Tariffs

Bellflower Municipal Water System (BMWS) serves approximately 1,827 customers, or about 10% of the residents of the City of Bellflower. The BMWS includes one active high-capacity well and three standby wells, three steel hydropneumatic storage tanks, distribution pipelines, fire hydrants, isolation valves, blow-off valves (BOVs), and six interconnections. The active well, known as the High Capacity Well 1 (HCW1) is currently operated by the Bellflower-Somerset Mutual Water Company (BSMWC). Water produced by the well is conveyed through the BSMWC distribution system to the BMWS service areas. Sodium hypochlorite and phosphate are injected in water produced by HCW1 for disinfection and to sequester iron and manganese from the produced water. The BMWS distribution system includes pipelines and appurtenances to convey water to customers in the BMWS service areas. All connections in the BMWS system are metered. The distribution system includes gate valves to isolate portions of the distribution system for maintenance or an emergency, BOVs to flush or drain the distribution system, and fire hydrants for fire flow and community safety. The BMWS distribution system includes six interconnections with neighboring distribution systems. Each interconnection includes two isolation valves, a pressure reducing valve, and a flow meter. Interconnections are opened as needed to either supply or receive water from neighboring water systems.

Based on the expected costs to administer the system and make improvements as the need to supplement system costs with general fund monies – the City Council decided the City's continued ownership of Bellflower Municipal was infeasible. The City then solicited bids from

potential purchasers and ultimately selected California American Water's bid as the winner. The voters of Bellflower approved the sale in November 2016.

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables that summarize earnings information and calculations at present and proposed rates presented as follows:

Table 2.1 – Comparative Summary of Earnings

This table contains a detailed summary of earnings for the 2021 Test Year at present and proposed rates as filed by California American Water. The table also contains columns for the inclusion and comparison of a detailed summary of earnings for the 2021 Test Year at present and proposed rates that will be filed by the California Public Advocates (Cal PA) during the processing of the application. For further comparison, the table contains a column for details of the summary of earnings for the 2021 Test Year adopted by the CPUC in its final decision regarding this application.

Table 2.2 – Summary of Earnings at Proposed Rates

This table contains a detailed summary of earnings for 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year at Proposed rates as filed by California American Water in this application.

Table 2.3 – Summary of Earnings at Present Rates

This table contains a detailed summary of earnings for the recorded years 2014-2018, Estimated Years 2019 and 2020, Test Year 2021, Escalation Year 2022, and Attrition Year 2023 at present rates. A comparison to these amounts to the adopted amounts from the most recent rate case filed by California American Water at proposed rates is also included.

Table 2.4 – Summary of Revenue Requirement Calculation

This table contains calculations of revenue requirements for the 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year based on financial information presented by California American Water in this application.

CALIFORNIA AMERICAN WATER
Filing: Final
Los Angeles County District - 2019 GRC
COMPARATIVE SUMMARY OF EARNINGS
FOR TEST YEAR AT PRESENT AND PROPOSED RATES

| (\$ 1,000's) | At Present Rates | | At Proposed Rates | | Adopted Rates |
|--------------------------------|------------------|--------|-------------------|--------|---------------|
| Description | CAW | CAL PA | CAW | CAL PA | CPUC |
| Operating Revenues | 38,380.7 | 0.0 | 45,516.6 | 0.0 | 0.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 3,746.5 | 0.0 | 3,746.5 | 0.0 | 0.0 |
| Purchased Water | 10,385.2 | 0.0 | 10,385.2 | 0.0 | 0.0 |
| Purchased Power | 2,070.4 | 0.0 | 2,070.4 | 0.0 | 0.0 |
| Chemicals | 122.7 | 0.0 | 122.7 | 0.0 | 0.0 |
| Operation and Maintenance | 2,402.1 | 0.0 | 2,402.1 | 0.0 | 0.0 |
| Customer Accounting | 342.6 | 0.0 | 342.6 | 0.0 | 0.0 |
| Uncollectibles | 199.8 | 0.0 | 237.0 | 0.0 | 0.0 |
| Insurance | 600.0 | 0.0 | 600.0 | 0.0 | 0.0 |
| Pensions and Benefits | 920.7 | 0.0 | 920.7 | 0.0 | 0.0 |
| Regulatory Expense | 93.8 | 0.0 | 93.8 | 0.0 | 0.0 |
| Rents | 215.7 | 0.0 | 215.7 | 0.0 | 0.0 |
| Other Administrative & General | 1,557.9 | 0.0 | 1,557.9 | 0.0 | 0.0 |
| Subtotal | 22,657.5 | 0.0 | 22,694.6 | 0.0 | 0.0 |
| Service Company | 2,091.8 | 0.0 | 2,091.8 | 0.0 | 0.0 |
| Citizens Acquisition Premium | 670.1 | 0.0 | 670.1 | 0.0 | 0.0 |
| GO Return on Rate Base | 562.7 | 0.0 | 562.7 | 0.0 | 0.0 |
| Return on and of UPAA | 645.6 | 0.0 | 645.6 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M Expenses | 26,627.7 | 0.0 | 26,664.9 | 0.0 | 0.0 |
| Depreciation | 5,002.3 | 0.0 | 5,002.3 | 0.0 | 0.0 |
| General Taxes | 1,657.3 | 0.0 | 1,657.3 | 0.0 | 0.0 |
| Total Operating Expenses | 33,287.2 | 0.0 | 33,324.4 | 0.0 | 0.0 |
| Income Before Income Taxes | 5,093.5 | 0.0 | 12,192.3 | 0.0 | 0.0 |
| State Income Taxes | 153.4 | 0.0 | 780.9 | 0.0 | 0.0 |
| Federal Income Taxes | (299.4) | 0.0 | 1,191.3 | 0.0 | 0.0 |
| Total Income Taxes | (146.1) | 0.0 | 1,972.2 | 0.0 | 0.0 |
| Utility Operating Income | 5,239.6 | 0.0 | 10,220.0 | 0.0 | 0.0 |
| Rate Base | 134,297.7 | 0.0 | 134,297.7 | 0.0 | 0.0 |
| Return on Rate Base | 3.90% | 0.00% | 7.61% | 0.00% | 0.00% |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
SUMMARY OF EARNINGS AT PROPOSED RATES

Filing:

Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|---|------------------------|--------------------|-------------------|------------|
| | 2021 | 2022 | 2023 | |
| Operating Revenues | 45,516.6 | 46,922.0 | 49,296.9 | Tbl 2.4 |
| Operation & Maintenance Exp | | | | |
| Labor | 3,746.5 | 3,848.7 | 3,937.9 | Tbl 2.3 |
| Purchased Water | 10,385.2 | 10,423.5 | 10,423.5 | Tbl 2.3 |
| Purchased Power | 2,070.4 | 2,119.6 | 2,119.6 | Tbl 2.3 |
| Chemicals | 122.7 | 125.4 | 128.3 | Tbl 2.3 |
| Operation Expense | 1,559.6 | 399.7 | 405.8 | Tbl 2.3 |
| Maintenance (excluding Amort Tank Painting) | 687.9 | 703.0 | 718.7 | Tbl 2.3 |
| Amortization of Tank Painting | 154.6 | 162.6 | 166.4 | Tbl 2.3 |
| Customer Accounting | 342.6 | 350.3 | 356.1 | Tbl 2.3 |
| Uncollectible Expense | 237.0 | 244.3 | 249.2 | Tbl 2.3 |
| Insurance | 600.0 | 608.1 | 616.9 | Tbl 2.3 |
| Pensions and Benefits | 920.7 | 962.8 | 985.2 | Tbl 2.3 |
| Regulatory Expenses | 93.8 | 375.3 | 375.3 | Tbl 2.3 |
| Rents | 215.7 | 182.5 | 183.6 | Tbl 2.3 |
| Other Administrative & General | 1,557.9 | 1,468.0 | 1,494.7 | Tbl 2.3 |
| Service Company Costs | 2,091.8 | 2,139.1 | 2,190.6 | Tbl 2.3 |
| Citizens Acquisition Premium | 670.1 | 673.4 | 676.9 | Tbl 2.3 |
| General Office Return on Rate Base | 562.7 | 580.5 | 598.4 | Tbl 2.3 |
| Return on and of UPAA | 645.6 | 632.1 | 618.7 | Tbl 2.3 |
| Sam Clemente Dam | 0.0 | 0.0 | 0.0 | |
| Total O&M expenses | 26,664.9 | 25,999.0 | 26,245.9 | Calculated |

CALIFORNIA AMERICAN WATER

Los Angeles County District - 2019 GRC

SUMMARY OF EARNINGS AT PROPOSED RATES

Filing:

Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|----------------------------|------------------------|--------------------|-------------------|-------------------|
| | 2021 | 2022 | 2023 | |
| (\$ 1,000's) | | | | |
| Depreciation | 5,002.3 | 5,606.7 | 6,211.1 | Tbl 2.3 |
| General Taxes | 1,657.3 | 1,848.3 | 2,049.7 | Tbl 2.3 / CH02 RO |
| Total Operating Expenses | 33,324.4 | 33,454.0 | 34,506.6 | Calculated |
| Income Before Income Taxes | 12,192.3 | 13,468.1 | 14,790.3 | Calculated |
| State Income Taxes | 780.9 | 863.0 | 949.2 | Tbl 6.2 |
| Federal Income Taxes | 1,191.3 | 1,331.0 | 1,513.0 | Tbl 6.2 |
| Total Income Taxes | 1,972.2 | 2,194.0 | 2,462.2 | Calculated |
| Utility Operating Income | 10,220.0 | 11,274.1 | 12,328.1 | Calculated |
| Average Rate Base | 134,297.7 | 148,148.3 | 161,998.9 | Tbl 2.3 |
| Return on Rate Base | 7.61% | 7.61% | 7.61% | Calculated |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC

SUMMARY OF EARNINGS AT PRESENT RATES

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Description | Recorded Years | | | | | | Estimated | |
|---|----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | |
| | (\$ 1,000's) | (\$ 1,000's) | (\$ 1,000's) | (\$ 1,000's) | (\$ 1,000's) | (\$ 1,000's) | (\$ 1,000's) | (\$ 1,000's) |
| Operating Revenues | 31,397.6 | 24,991.4 | 26,099.5 | 31,023.8 | 32,988.9 | 38,370.5 | 38,209.2 | |
| Operation & Maintenance Exp | | | | | | | | |
| Labor | 2,943.3 | 3,188.3 | 3,266.2 | 3,423.0 | 3,128.3 | 3,559.0 | 3,648.3 | |
| Purchased Water | 5,691.0 | 3,861.2 | 3,978.2 | 5,956.4 | 7,257.2 | 9,415.5 | 9,873.0 | |
| Purchased Power | 2,438.3 | 1,786.8 | 1,845.3 | 1,754.5 | 1,966.7 | 2,013.3 | 2,035.5 | |
| Chemicals | 120.6 | 103.6 | 113.0 | 124.0 | 122.5 | 118.7 | 120.5 | |
| Operation Expense | 339.0 | 319.8 | 401.9 | 475.1 | 620.8 | 249.2 | 295.5 | |
| Maintenance (excluding Amort Tank Painting) | 638.7 | 458.8 | 584.4 | 1,004.8 | 453.4 | 665.5 | 675.4 | |
| Amortization of Tank Painting | 123.2 | 113.1 | 137.4 | 104.6 | 110.0 | 134.1 | 147.5 | |
| Customer Accounting | 277.3 | 274.9 | 282.7 | 290.8 | 301.2 | 331.5 | 336.3 | |
| Uncollectible Expense | 186.3 | 136.3 | 168.4 | 179.5 | 170.8 | 199.8 | 198.9 | |
| Insurance | 377.2 | 527.7 | 363.6 | 269.5 | 363.5 | 349.4 | 364.2 | |
| Pensions and Benefits | 843.0 | 976.1 | 1,003.2 | 1,076.6 | 871.4 | 809.0 | 897.2 | |
| Regulatory Expenses | 251.5 | 74.9 | 125.9 | 239.8 | 47.7 | 258.8 | 258.8 | |
| Rents | 139.6 | 154.2 | 122.9 | 141.4 | 136.4 | 141.5 | 145.1 | |
| Other Administrative & General | 1,291.7 | 1,315.3 | 1,321.7 | 1,625.8 | 1,385.3 | 1,470.5 | 1,486.5 | |
| Service Company Costs | 2,078.0 | 2,098.9 | 2,115.0 | 1,873.6 | 1,859.9 | 2,030.6 | 2,055.9 | |
| Citizens Acquisition Premium | 600.9 | 580.3 | 559.6 | 550.9 | 662.2 | 664.6 | 667.3 | |
| General Office Return on Rate Base | 256.5 | 303.0 | 337.0 | 288.7 | 327.4 | 370.5 | 486.4 | |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total O&M expenses | 18,596.0 | 16,273.3 | 16,726.2 | 19,379.0 | 19,784.6 | 22,781.5 | 23,692.3 | |
| Depreciation | 2,688.5 | 2,785.7 | 3,057.2 | 3,235.9 | 3,474.0 | 3,874.1 | 4,392.9 | |
| General Taxes | 1,148.7 | 1,092.1 | 1,144.8 | 1,117.5 | 1,188.5 | 1,202.2 | 1,417.6 | |
| Total Operating Expenses | 22,433.3 | 20,151.1 | 20,928.2 | 23,732.4 | 24,447.1 | 27,857.8 | 29,502.8 | |
| Income Before Income Taxes | 8,964.4 | 4,840.4 | 5,171.4 | 7,291.3 | 8,541.8 | 10,512.7 | 8,706.4 | |
| State Income Taxes | 608.5 | 231.5 | 247.4 | 414.7 | 556.4 | 710.0 | 523.6 | |
| Federal Income Taxes | 2,180.9 | 820.1 | 877.5 | 1,481.3 | 1,189.4 | 1,524.3 | 1,084.9 | |
| Total Income Taxes | 2,789.4 | 1,051.6 | 1,124.9 | 1,896.0 | 1,745.8 | 2,234.2 | 1,608.5 | |
| Utility Operating Income | 6,175.0 | 3,788.7 | 4,046.4 | 5,395.4 | 6,796.0 | 8,278.5 | 7,097.9 | |
| Average Rate Base | 67,034.5 | 71,634.7 | 76,413.7 | 83,704.9 | 89,956.6 | 99,341.9 | 111,377.7 | |
| Return on Rate Base | 9.21% | 5.29% | 5.30% | 6.45% | 7.55% | 8.33% | 6.37% | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
SUMMARY OF EARNINGS AT PRESENT RATES

Filing:

Final

Note: Expenses Include Allocation of General Office Expenses

| Description | Projected Test Year | Escalation Year | Attrition Year | Last Authorized Test Year | Reference |
|---|------------------------|--------------------|-------------------|---------------------------------|---------------------|
| | 2021 | 2022 | 2023 | 2018 | |
| Operating Revenues | 38,380.7 | 45,488.0 | 46,922.0 | 34,445.9 | Ch 3, Tbl 3.17-3.18 |
| Operation & Maintenance Exp | | | | | |
| Labor | 3,746.5 | 3,848.7 | 3,937.9 | 3,006.4 | Ch 4, Tbl 4.1 |
| Purchased Water | 10,385.2 | 10,423.5 | 10,423.5 | 6,784.4 | Ch 4, Tbl 4.1 |
| Purchased Power | 2,070.4 | 2,119.6 | 2,119.6 | 2,164.1 | Ch 4, Tbl 4.1 |
| Chemicals | 122.7 | 125.4 | 128.3 | 91.4 | Ch 4, Tbl 4.1 |
| Operation Expense | 1,559.6 | 399.7 | 405.8 | 552.9 | Ch 4, Tbl 4.1 |
| Maintenance (excluding Amort Tank Painting) | 687.9 | 703.0 | 718.7 | 1,756.5 | Ch 4, Tbl 4.1 |
| Amortization of Tank Painting | 154.6 | 162.6 | 166.4 | 122.1 | Ch 4, Tbl 4.1 |
| Customer Accounting | 342.6 | 350.3 | 356.1 | 270.6 | Ch 4, Tbl 4.1 |
| Uncollectible Expense | 199.8 | 236.8 | 236.8 | 195.7 | Ch 4, Tbl 4.1 |
| Insurance | 600.0 | 608.1 | 616.9 | 392.8 | Ch 4, Tbl 4.1 |
| Pensions and Benefits | 920.7 | 962.8 | 985.2 | 847.6 | Ch 4, Tbl 4.1 |
| Regulatory Expenses | 93.8 | 375.3 | 375.3 | 166.4 | Ch 4, Tbl 4.1 |
| Rents | 215.7 | 182.5 | 183.6 | 149.2 | Ch 4, Tbl 4.1 |
| Other Administrative & General | 1,557.9 | 1,468.0 | 1,494.7 | 1,256.0 | Ch 4, Tbl 4.1 |
| Service Company Costs | 2,091.8 | 2,139.1 | 2,190.6 | 1,760.9 | Ch 4, Tbl 4.1 |
| Citizens Acquisition Premium | 670.1 | 673.4 | 676.9 | 627.6 | Ch 4, Tbl 4.1 |
| General Office Return on Rate Base | 562.7 | 580.5 | 598.4 | 364.6 | Ch 4, Tbl 4.1 |
| Return on and of UPAA | 645.6 | 632.1 | 618.7 | 0.0 | Ch 4, Tbl 4.1 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 |
| Total O&M expenses | 26,627.7 | 25,991.6 | 26,233.5 | 20,509.1 | Calculated |
| Depreciation | 5,002.3 | 5,606.7 | 6,211.1 | 3,771.0 | SE RO |
| General Taxes | 1,657.3 | 1,848.3 | 2,049.7 | 1,254.0 | Ch 5, Tbl 5.1 |
| Total Operating Expenses | 33,287.2 | 33,446.5 | 34,494.3 | 25,534.1 | Calculated |
| Income Before Income Taxes | 5,093.5 | 12,041.5 | 12,427.8 | 8,911.8 | Calculated |
| State Income Taxes | 153.4 | 736.9 | 740.3 | 581.3 | Ch 6, Tbl 6.1-6.2 |
| Federal Income Taxes | (299.4) | 1,031.4 | 1,016.9 | 1,211.6 | Ch 6, Tbl 6.1-6.2 |
| Total Income Taxes | (146.1) | 1,768.3 | 1,757.2 | 1,792.9 | Calculated |
| Utility Operating Income | 5,239.6 | 10,273.2 | 10,670.6 | 7,118.9 | Calculated |
| Average Rate Base | 134,297.7 | 148,148.3 | 161,998.9 | 93,546.3 | Ch 9, Tbl 9.1 |
| Return on Rate Base | 3.90% | 6.93% | 6.59% | 7.61% | Calculated |

SUMMARY OF REVENUE REQUIREMENT CALCULATION

| (\$ 1,000's) | Projected Test Year | Escalation Year | Attrition Year | |
|--------------------------------------|------------------------|--------------------|-------------------|---------------|
| Description | 2021 | 2022 | 2023 | Reference |
| Weighted Average Rate Base | 134,297.7 | 148,148.3 | 161,998.9 | Ch 9, Tbl 9.1 |
| Rate of Return Requested | 7.61% | 7.61% | 7.61% | |
| Utility Operating Income Required | 10,220.1 | 11,274.1 | 12,328.1 | Calculated |
| At Present Rates | 5,239.6 | 10,273.2 | 10,670.6 | Ch 2, Tbl 2.3 |
| Increase (Decrease) in UOI Required | 4,980.5 | 1,000.9 | 1,657.5 | Calculated |
| Net to Gross Multiplier | 1.43277 | 1.43278 | 1.43277 | CH02 RO |
| Gross Revenues | | | | |
| Incr (Decr) in Revenues Required | 7,135.9 | 1,434.0 | 2,374.9 | Calculated |
| Revenues at Present Rates | 38,380.7 | 45,488.0 | 46,922.0 | Ch 2, Tbl 2.3 |
| Revenues at Proposed Rates | 45,516.6 | 46,922.0 | 49,296.9 | Calculated |
| Percent Incr (Decr) in Revenues | 18.59% | 3.15% | 5.06% | Calculated |

Net-To-Gross Multiplier

The items of expense shown below increase in direct proportion to any increase in gross revenue. The net-to-gross multiplier applicable to the test year, escalation year and the attrition year is as follows:

| | | | |
|----------------------------------|---------|---------|---------|
| County Franchise Tax: | 0.00% | 0.00% | 0.00% |
| Uncollectible Accounts: | 0.5207% | 0.5207% | 0.5207% |
| Reserved: | 0.00% | 0.00% | 0.00% |
| Reserved: | 0.00% | 0.00% | 0.00% |
| State Corporation Franchise Tax: | 8.84% | 8.84% | 8.84% |
| Federal Income Tax: | 21.00% | 21.00% | 21.00% |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables used to forecast customers, water sales and operating revenues as filed by California American Water in this application and is presented as follows:

Table 3.1 through Table 3.6

These tables contain information regarding projections of the number of customers for the Los Angeles District, which includes the Rio Plaza, and Bellflower Districts of California American Water presented in this application. The number of customers forecasted to be served by the district during 2019 through 2022 was determined by using a five year historical growth average and adjusted for growth due to acquisitions, if applicable.

Table 3.7 through 3.15

These tables contain water sales and water production information for the Los Angeles District of California American Water as filed in this application. An average use per customer is determined based on total consumption divided by the number of billed days.

Consumption estimates for the Test Year 2021 and Escalation Year 2022 are derived from the average use per customer for the two latest recorded years multiplied against the projected average number of customers per classification.

Table 3.16 through 3.22

These tables contain operating revenue information for the Los Angeles District of California American Water presented in this application.

Revenues at present rates for the 2019-2020 result from forecasted customers and sales presented in this Chapter and rates currently or anticipated to be in effect. For this calculation, California American Water included surcharges for purchased water offsets as part of base revenues since these are rolled back into base rates at the start of the Test Year.

Revenues at proposed rates for 2021 and 2022 are determined by taking the proposed service and volumetric rates necessary to meet California American Water's projected

revenue requirement multiplied by forecasted customers and sales. The revenues result from applying the overall proposed increase as determined in the revenue requirement to all of the present rates from the preceding year.

Miscellaneous Service revenues for the 2021 Test Year include forecasted amounts related to Non Sufficient Funds (NSF) fees, Reconnection and Late Fees, Antenna Lease, and Deferred Contribution to Revenues. Conservation and PUC fees have been excluded as they represent charges that are separate and above the base revenue requirement. The presentation in this chapter does not reflect any effects from surcharges requested in this application. However, California American Water has included surcharges in its bill impact analysis where applicable.

Method 5 Amortization revenue is based on the amortization of deferred Contribution in Aid of Construction revenues from Table 9.1.

California American Water
Los Angeles County District - 2019 GRC
CUSTOMERS AT YEAR END
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 24,492 | 24,479 | 24,669 | 24,694 | 24,691 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 2,568 | 2,562 | 2,577 | 2,602 | 2,608 |
| 6. | Industrial | INDR | 65 | 64 | 64 | 61 | 59 |
| 7. | Public Authority | OPUA | 289 | 290 | 288 | 285 | 289 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 8 | 7 | 7 | 13 | 22 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 2 | 2 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 46 | 44 | 37 | 20 | 14 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 360 | 376 | 369 | 372 | 378 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 27,830 | 27,824 | 28,011 | 28,047 | 28,061 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

California American Water
Los Angeles County District - 2019 GRC
CUSTOMERS AT YEAR END
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|--------------------------|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 24,694 | 26,968 | 27,004 | 27,027 | 27,050 | 27,073 |
| 2. | Multiresidential | MRES | 0 | 35 | 35 | 35 | 35 | 35 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 2,548 | 2,660 | 2,664 | 2,668 | 2,672 | 2,676 |
| 5. | Industrial | INDR | 64 | 58 | 57 | 55 | 54 | 53 |
| 6. | Public Authority | OPUA | 293 | 291 | 290 | 289 | 288 | 287 |
| 7. | Sales for Resale | SLFR | 1 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 4 | 26 | 27 | 29 | 30 | 31 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 2 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 44 | 6 | (0) | (0) | (0) | (0) |
| 13. | Private Fire | RFPS | 0 | 80 | 80 | 80 | 80 | 80 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 376 | 378 | 378 | 378 | 378 | 378 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. TOTAL | | | | 28,026 | 30,502 | 30,535 | 30,561 | 30,587 |
| | | | | | | | | 30,613 |

References: Line 17 is sum of lines 2 thru 16

California American Water
Los Angeles County District - 2019 GRC
CUSTOMERS AT YEAR END

Filing: Final

CALCULATION OF PERCENT CHANGE IN CUSTOMERS AT YEAR END

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|-----------------------------|-------|----------------|---------|----------|---------|---------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -0.05% | 0.78% | 0.10% | -0.01% | 9.22% | 0.08% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -0.23% | 0.59% | 0.97% | 0.23% | 1.99% | 0.15% |
| 6. | Industrial | INDR | N/A | -1.54% | 0.00% | -4.69% | -3.28% | -2.03% | -2.12% |
| 7. | Public Authority | OPUA | N/A | 0.35% | -0.69% | -1.04% | 1.40% | 0.71% | -0.33% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -12.50% | 0.00% | 85.71% | 69.23% | 19.09% | 4.38% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | 0.00% | -100.00% | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -4.35% | -15.91% | -45.95% | -30.00% | -54.14% | -13.16% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 4.44% | -1.86% | 0.81% | 1.61% | 0.00% | 0.00% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | 0.34% | 0.32% | 0.41% | 0.08% | 8.70% | 0.08% |
| References: Recorded year % calculated by dividing the # customers by prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr # customers by last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

California American Water
Los Angeles County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 24,413 | 24,487 | 24,575 | 24,683 | 24,693 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 2,560 | 2,566 | 2,570 | 2,591 | 2,606 |
| 6. | Industrial | INDR | 65 | 65 | 65 | 63 | 60 |
| 7. | Public Authority | OPUA | 289 | 290 | 289 | 287 | 288 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 8 | 8 | 7 | 11 | 18 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 2 | 2 | 1 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 46 | 45 | 41 | 29 | 17 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 354 | 369 | 373 | 371 | 376 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 27,737 | 27,832 | 27,921 | 28,035 | 28,058 |

Reference: Line 17 is sum of lines 2 thru 16
Average calculated using current and prior period-end customers.

California American Water
Los Angeles County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year | Escalation Year |
|--|-----------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 24,694 | 26,956 | 26,985 | 27,016 | 27,039 | 27,061 |
| 3. | Multiresidential | MRES | 0 | 35 | 35 | 35 | 35 | 35 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMIM | 2,548 | 2,658 | 2,662 | 2,666 | 2,670 | 2,674 |
| 6. | Industrial | INDR | 64 | 58 | 57 | 56 | 55 | 53 |
| 7. | Public Authority | OPUA | 293 | 292 | 290 | 290 | 289 | 287 |
| 8. | Sales for Resale | SLFR | 1 | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 4 | 25 | 27 | 28 | 30 | 30 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 2 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 44 | 10 | 3 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 80 | 80 | 80 | 80 | 80 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 376 | 378 | 378 | 378 | 378 | 378 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 28,026 | 30,492 | 30,517 | 30,549 | 30,576 | 30,598 |
| References Line 17 is sum of lines 2 thru 16 | | | | | | | | |
| Average calculated using current and prior period-end customers. | | | | | | | | |

California American Water
Los Angeles County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
CALCULATION OF PERCENT CHANGE IN AVERAGE NUMBER OF CUSTOMERS

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|-------------|---------------------------------|-------|---|--------|---------|----------|---------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.30% | 0.36% | 0.44% | 0.04% | 9.16% | 0.11% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | 0.15% |
| 5. | Commercial | COMM | N/A | 0.23% | 0.16% | 0.82% | 0.58% | 2.00% | 0.15% |
| 6. | Industrial | INDR | N/A | 0.00% | 0.00% | -3.08% | -4.76% | -3.33% | -1.75% |
| 7. | Public Authority | OPUA | N/A | 0.35% | -0.34% | -0.69% | 0.35% | 1.39% | 0.00% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | 0.00% | -12.50% | 57.14% | 63.64% | 38.89% | 3.70% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | 0.00% | -50.00% | -100.00% | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -2.17% | -8.89% | -29.27% | -41.38% | -41.18% | -100.00% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 0.00% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 4.24% | 1.08% | -0.54% | 1.35% | 0.53% | 0.00% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | 0.34% | 0.32% | 0.41% | 0.08% | 8.67% | 0.10% |
| References: | | | | | | | | | |
| | | | Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. | | | | | | |
| | | | Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. | | | | | | |
| | | | Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|-----------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 243.9 | 189.4 | 189.4 | 199.0 | 207.0 |
| 3. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMIM | 646.8 | 641.2 | 642.3 | 667.0 | 684.3 |
| 6. | Industrial | INDR | 3,059.5 | 1,333.2 | 1,201.1 | 1,317.0 | 1,407.8 |
| 7. | Public Authority | OPUA | 1,699.8 | 978.3 | 1,065.4 | 1,229.7 | 1,272.5 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 42.4 | 1,144.1 | 1,763.7 | 862.3 | 937.8 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Irrigation Gravity | IRRG | 839.0 | 665.5 | 1,331.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 3,610.3 | 2,927.2 | 3,212.8 | 4,542.2 | 7,748.5 |
| 14. | Private Fire | RPFS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RPPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | TOTAL | | 305.3 | 244.1 | 244.8 | 257.5 | 267.1 |
| References: Line 17 is total consumption TBL 3.10 divided by average customers TBL 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|---|---------------------------------|-------|---------------------------|--------------|--------------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 224.1 | 200.6 | 200.7 | 200.7 | 200.7 | 200.7 |
| 3. | Multiresidential | MRES | 0.0 | 407.0 | 407.0 | 407.0 | 407.0 | 407.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMM | 665.4 | 702.8 | 703.4 | 703.9 | 704.3 | 704.9 |
| 6. | Industrial | INDR | 2,216.0 | 1,332.7 | 1,338.6 | 1,344.9 | 1,351.3 | 1,365.0 |
| 7. | Public Authority | OPUA | 1,337.7 | 1,101.6 | 1,100.9 | 1,100.9 | 1,100.4 | 1,099.7 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 675.0 | 1,085.2 | 1,306.6 | 1,272.5 | 1,459.3 | 1,459.3 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Irrigation Gravity | IRRG | 941.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 941.2 | 6,914.8 | 6,914.7 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. | TOTAL | | 278.6 | 255.3 | 254.1 | 253.4 | 253.7 | 253.7 |
| References: Line 17 is total consumption TBL 3.11 divided by average customers TBL 3.45 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC

Filing: Final

AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)

CALCULATION OF PERCENT CHANGE IN ANNUAL CONSUMPTION PER CUSTOMER

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|---------|--------|---------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -22.4% | 0.0% | 5.1% | 4.0% | -3.1% | 0.0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -0.9% | 0.2% | 3.8% | 2.6% | 2.7% | 0.1% |
| 6. | Industrial | INDR | N/A | -56.4% | -9.9% | 9.6% | 6.9% | -5.3% | 0.5% |
| 7. | Public Authority | OPUA | N/A | -42.4% | 8.9% | 15.4% | 3.5% | -13.4% | 0.0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | 2600.0% | 54.2% | -51.1% | 8.8% | 15.7% | -2.6% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | -20.7% | 100.0% | -100.0% | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -18.9% | 9.8% | 41.4% | 70.6% | -10.8% | -100.0% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | -20.0% | 0.3% | 5.2% | 3.8% | -4.4% | -0.2% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|---------------------------------|-------|----------------|-------------|-------------|-------------|-------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 5,954,017 | 4,637,088 | 4,654,004 | 4,911,584 | 5,111,000 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,655,921 | 1,645,360 | 1,650,613 | 1,728,080 | 1,783,405 |
| 6. | Industrial | INDR | 198,866 | 86,660 | 78,072 | 82,970 | 84,469 |
| 7. | Public Authority | OPUA | 491,230 | 283,707 | 307,909 | 352,915 | 366,486 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 339 | 9,153 | 12,346 | 9,485 | 16,880 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 1,678 | 1,331 | 1,331 | 1,331 | 1,331 |
| 13. | Irrigation Pressure | IRRP | 166,072 | 131,724 | 131,724 | 131,724 | 131,724 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 8,468,123.0 | 6,795,022.7 | 6,835,999.5 | 7,218,089.2 | 7,495,294.7 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year 2022 | Escalation Year 2023 |
|---|---------------------------------|-------|---------------------------|----------------|----------------|--------------------|----------------------|----------------------|
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 5,532,990 | 5,408,540 | 5,414,705 | 5,421,232 | 5,426,179 | 5,430,961 |
| 3. | Multiresidential | MRES | 0 | 14,244 | 14,244 | 14,244 | 14,244 | 14,244 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,695,413 | 1,868,117 | 1,872,400 | 1,876,681 | 1,880,529 | 1,884,810 |
| 6. | Industrial | INDR | 141,823 | 77,294 | 76,303 | 75,313 | 74,323 | 72,343 |
| 7. | Public Authority | OPUA | 391,951 | 321,654 | 319,255 | 319,255 | 318,025 | 315,627 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 2,700 | 27,130 | 35,279 | 35,630 | 43,778 | 43,778 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 1,882 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 41,413 | 69,148 | 20,744 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 7,808,172 | 7,786,127 | 7,752,930 | 7,742,355 | 7,757,078 | 7,761,763 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)

Filing: Final

CALCULATION OF PERCENT CHANGE IN TOTAL ANNUAL CONSUMPTION

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|---------|-------|--------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -22.1% | 0.4% | 5.5% | 4.1% | 5.8% | 0.1% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0.0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | 0.2% |
| 5. | Commercial | COMM | N/A | -0.6% | 0.3% | 4.7% | 3.2% | 4.8% | -1.3% |
| 6. | Industrial | INDR | N/A | -56.4% | -9.9% | 6.3% | 1.8% | -8.5% | 0.0% |
| 7. | Public Authority | OPUA | N/A | -42.2% | 8.5% | 14.6% | 3.8% | -12.2% | 0.0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | 2600.0% | 34.9% | -23.2% | 78.0% | 60.7% | 1.0% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | -20.7% | 0.0% | 0.0% | 0.0% | -100.0% | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -20.7% | 0.0% | 0.0% | 0.0% | -47.5% | -100.0% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Sub-Total | | N/A | -19.8% | 0.6% | 5.6% | 3.8% | 3.9% | -0.1% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
WATER PRODUCTION (KCCF)
RECORDED

Filing: Final

| Line No. | Description | RECORDED YEARS | | | | |
|--|--------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Sales | 8,468.1 | 6,795.0 | 6,836.0 | 7,218.1 | 7,495.3 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 8,468.1 | 6,795.0 | 6,836.0 | 7,218.1 | 7,495.3 |
| 4. | Non Revenue | 804.6 | 499.3 | 466.8 | 764.4 | 797.8 |
| 5. | Total Water Requirement | 9,272.7 | 7,294.3 | 7,302.8 | 7,982.5 | 8,293.1 |
| 6. | Non Revenue Water % | 8.7% | 6.8% | 6.4% | 9.6% | 9.6% |
| 7. | Equivalent Acre Feet | 21,287.2 | 16,745.4 | 16,764.9 | 18,325.2 | 19,038.4 |
| 8. | Total Water Requirement in CCF | 9,272,693 | 7,294,297 | 7,302,799 | 7,982,474 | 8,293,140 |
| References: Line 1 Metered sales per Table 3.10 | | | | | | |
| Other Consumption per [insert text if applicable] | | | | | | |
| Line 3 is sum of lines 2 and 3. | | | | | | |
| Line 4 is line 5 less line 3 | | | | | | |
| Line 5 is per MDR IIE.2 | | | | | | |
| Line 6 is line 4 divided by line 5. | | | | | | |
| Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. | | | | | | |
| Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
WATER PRODUCTION (KCCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|--|--------------------------------|---------------------------|-----------|-----------|--------------------|-----------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | |
| 1. | Metered Sales | 7,808.2 | 7,786.1 | 7,752.9 | 7,742.4 | 7,757.1 | |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 3. | Total Consumption | 7,808.2 | 7,786.1 | 7,752.9 | 7,742.4 | 7,757.1 | |
| 4. | Non Revenue | 890.2 | 680.7 | 680.7 | 680.7 | 680.7 | |
| 5. | Total Water Requirement | 8,698.4 | 8,466.8 | 8,433.6 | 8,423.1 | 8,437.8 | |
| 6. | Non Revenue Water % | 10.2% | 8.0% | 8.1% | 8.1% | 8.1% | |
| 7. | Equivalent Acre Feet | 19,968.8 | 19,437.2 | 19,361.0 | 19,336.7 | 19,370.5 | |
| 8. | Total Water Requirement in CCF | 8,698,400 | 8,466,845 | 8,433,648 | 8,423,073 | 8,437,796 | |
| References: Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert to CCF. | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
WATER PRODUCTION (KCCF)
CALCULATION OF PERCENT CHANGE IN WATER PRODUCTION

Filing: **Final**

| Line No. | Description | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|--------------------------------|----------------|--------|-------|-------|------|---------------------------|--------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Sales | N/A | -19.8% | 0.6% | 5.6% | 3.8% | -0.3% | -0.1% |
| 2. | Other Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Total Consumption | N/A | -19.8% | 0.6% | 5.6% | 3.8% | -0.3% | -0.1% |
| 4. | Non Revenue | N/A | -37.9% | -6.5% | 63.7% | 4.4% | -23.5% | 0.0% |
| 5. | Total Water Requirement | N/A | -21.3% | 0.1% | 9.3% | 3.9% | -2.7% | -0.1% |
| 6. | Non Revenue Water % | N/A | -21.1% | -6.6% | 49.8% | 0.5% | -21.4% | 0.1% |
| 7. | Equivalent Acre Feet | N/A | -21.3% | 0.1% | 9.3% | 3.9% | -2.7% | -0.1% |
| 8. | Total Water Requirement in CCF | N/A | -21.3% | 0.1% | 9.3% | 3.9% | -2.7% | -0.1% |
| References: Recorded year % calculated by dividing current year data by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr data point by last authorized level and subtracting 1. Proposed test year % calculated by dividing the test year data point by the prior year estimated level and subtracting 1. | | | | | | | | |

California American Water
Los Angeles County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|-----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | \$26,695,767 | \$32,259,641 | \$5,563,874 | 20.84% |
| 3. | Multiresidential | MRES | 24,962 | 14,796 | (10,166) | -40.73% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 8,867,468 | 10,067,664 | 1,200,196 | 13.53% |
| 6. | Industrial | INDR | 365,365 | 413,133 | 47,768 | 13.07% |
| 7. | Public Authority | OPUA | 1,589,324 | 1,846,389 | 257,065 | 16.17% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 79,393 | 104,820 | 25,427 | 32.03% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0.00% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 11,873 | 14,081 | 2,208 | 18.60% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 296,797 | 287,999 | (8,798) | -2.96% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 37,930,949 | 45,008,523 | 7,077,574 | 18.66% |

California American Water
Los Angeles County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| Non-Metered Customers | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 37,930,949 | 45,008,523 | 7,077,574 | 18.66% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 58,002 | 58,002 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 31. | Misc Service Revenues | MISC | 391,791 | 391,791 | 0 | 0.00% |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 33. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 36. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 37. | | | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 449,792 | 449,792 | 0 | 0.00% |

California American Water
Los Angeles County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|----------------|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0.00% |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$38,380,741 | \$45,458,315 | \$7,077,574 | 18.44% |
| 49. | Revenues per Avg Customer | | \$1,256 | \$1,488 | \$232 | 18.44% |

California American Water
Los Angeles County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|-----------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | 32,279,730 | 33,233,462 | 953,732 | 2.95% |
| 3. | Multiresidential | MRES | 14,796 | 15,260 | 464 | 3.14% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 10,084,135 | 10,384,190 | 300,055 | 2.98% |
| 6. | Industrial | INDR | 409,009 | 421,101 | 12,092 | 2.96% |
| 7. | Public Authority | OPUA | 1,841,019 | 1,895,898 | 54,879 | 2.98% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 106,668 | 109,966 | 3,298 | 3.09% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0.00% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 17,601 | 18,156 | 555 | 3.15% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 287,999 | 287,999 | 0 | 0.00% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 45,040,957 | 46,366,032 | 1,325,075 | |

California American Water
Los Angeles County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|------------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 20. | Non-Metered Customers | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 45,040,957 | 46,366,032 | 1,325,075 | 2.94% |
| 27. | Other Revenues | | | | | |
| 28. | Method 5 Revenues | METH | 55,275 | 55,275 | 0 | 0.00% |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 32. | Misc Service Revenues | MISC | 391,791 | 391,791 | 0 | 0.00% |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 34. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 37. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 447,065 | 447,065 | 0 | 0.00% |

California American Water
Los Angeles County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|---|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | | | | |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$45,488,022 | \$46,813,097 | \$1,325,075 | 2.91% |
| 49. | Revenues per Avg Customer | | \$1,488 | \$1,531 | \$43 | 2.91% |
| References: Table 3.18 for revenues @ present rates | | | | | | |
| Table 3.21 for revenues @ proposed rates | | | | | | |

California American Water
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | \$22,077,506 | \$17,167,807 | \$17,944,626 | \$21,400,990 | \$22,827,452 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 6,572,371 | 5,759,760 | 5,936,057 | 7,047,187 | 7,508,454 |
| 6. | Industrial | INDR | 477,838 | 313,533 | 291,023 | 341,313 | 357,012 |
| 7. | Public Authority | OPUA | 1,533,114 | 1,046,835 | 1,152,084 | 1,478,256 | 1,569,860 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 19,766 | 25,787 | 55,442 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 316,666 | 265,817 | 282,164 | 212,079 | 119,123 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 358,343 | 310,045 | 322,534 | 320,691 | 333,959 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 31,335,838 | 24,863,797 | 25,948,254 | 30,826,303 | 32,771,302 |

California American Water
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | | | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 31,335,838 | 24,863,797 | 25,948,254 | 30,826,303 | 32,771,302 |
| Other Revenues | | | | | | | |
| 27. | | | | | | | |
| 28. | Method 5 Revenues | METH | 19,123 | 19,123 | 0 | 2,054 | 1,502 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 42,670 | 108,502 | 151,290 | 195,394 | 216,098 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 61,793 | 127,625 | 151,290 | 197,448 | 217,599 |

California American Water
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|---------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$31,397,632 | \$24,991,422 | \$26,099,544 | \$31,023,751 | \$32,988,901 |
| 49. | Revenues per Avg Customer | | \$1,132 | \$898 | \$935 | \$1,107 | \$1,176 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Estimated | Proposed Test Year | Escalation Year |
|----------|-----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | 24,470,906 | 26,645,934 | 26,670,066 | 26,695,767 | 32,279,730 |
| 3. | Multiresidential | MRES | 0 | 56,413 | 56,413 | 24,962 | 14,796 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 7,093,645 | 8,831,653 | 8,849,565 | 8,867,468 | 10,084,135 |
| 6. | Industrial | INDR | 607,022 | 373,076 | 369,218 | 365,365 | 409,009 |
| 7. | Public Authority | OPUA | 1,658,324 | 1,599,926 | 1,589,324 | 1,589,324 | 1,841,019 |
| 8. | Sales for Resale | SLFR | 5,778 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 24,037 | 76,381 | 77,829 | 79,393 | 106,668 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 8,270 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 188,619 | 294,396 | 88,317 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 4,129 | 7,872 | 11,873 | 17,601 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 284,189 | 296,797 | 296,797 | 296,797 | 287,999 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 34,340,790 | 38,178,705 | 38,005,401 | 37,930,949 | 45,040,957 |

California American Water
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | Escalation Year |
|-----------------------|----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| 26. | Total Water Revenues | | 34,340,790 | 38,178,705 | 38,005,401 | 37,930,949 | 45,040,957 |
| | | | | | | | |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 14,692 | 49,032 | 61,040 | 58,002 | 55,275 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 108,502 | 142,791 | 142,791 | 391,791 | 391,791 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 123,194 | 191,823 | 203,831 | 449,792 | 447,065 |

California American Water
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$34,463,984 | \$38,370,528 | \$38,209,232 | \$38,380,741 | \$45,488,022 |
| 49. | Revenues per Avg Customer | | \$1,230 | \$1,258 | \$1,252 | \$1,256 | \$1,488 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water

Filing: Final

Los Angeles County District - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|-----------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | 2021 |
| 2. | Residential | SRES | N/A | -22% | 5% | 19% | 7% | 17% | 0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | 0% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -12% | 3% | 19% | 7% | 18% | 0% |
| 6. | Industrial | INDR | N/A | -34% | -7% | 17% | 5% | 4% | -1% |
| 7. | Public Authority | OPUA | N/A | -32% | 10% | 28% | 6% | 2% | -1% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | N/A | N/A | 30% | 115% | 38% | 2% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -16% | 6% | -25% | -44% | 147% | -70% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 91% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | -13% | 4% | -1% | 4% | -11% | 0% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -21% | 4% | 19% | 6% | 17% | 0% |

California American Water

Los Angeles County District - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|-----------------------|----------------------------|-------|----------------|------|-------|------|------|---------------------------|--------------------|-----|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| Non-Metered Customers | | | | | | | | | | |
| 20. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Total Water Revenues | | | | | | | | | | |
| 26. | | | N/A | -21% | 4% | 19% | 6% | 17% | 0% | |
| Other Revenues | | | | | | | | | | |
| 27. | Method 5 Revenues | METH | N/A | 0% | -100% | N/A | -27% | 3165% | 24% | |
| 28. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 29. | Antenna Leases | ANTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 30. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 31. | Misc Service Revenues | MISC | N/A | 154% | 39% | 29% | 11% | -34% | 0% | |
| 32. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 33. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 34. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 35. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 36. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 37. | | | N/A | 107% | 19% | 31% | 10% | -12% | 6% | |
| 38. | Subtotal Other Revenues | | N/A | 107% | 19% | 31% | 10% | -12% | 6% | |

California American Water

Los Angeles County District - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -20% | 4% | 19% | 6% | 16% | 0% |
| 49. | Revenues per Avg Customer | | N/A | -21% | 4% | 18% | 6% | 7% | -1% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: **Final**

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | 22,077,506 | 17,167,807 | 17,944,626 | 21,400,990 | 22,827,452 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 6,572,371 | 5,759,760 | 5,936,057 | 7,047,187 | 7,508,454 |
| 6. | Industrial | INDR | 477,838 | 313,533 | 291,023 | 341,313 | 357,012 |
| 7. | Public Authority | OPUA | 1,533,114 | 1,046,835 | 1,152,084 | 1,478,256 | 1,569,860 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 19,766 | 25,787 | 55,442 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 316,666 | 265,817 | 282,164 | 212,079 | 119,123 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 358,343 | 310,045 | 322,534 | 320,691 | 333,959 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | | 31,335,838 | 24,863,797 | 25,948,254 | 30,826,303 | 32,771,302 |

CALIFORNIA AMERICAN WATER

Los Angeles County District - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| 26. | Total Water Revenues | | 31,335,838 | 24,863,797 | 25,948,254 | 30,826,303 | 32,771,302 |
| | | | | | | | |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 19,123 | 19,123 | 0 | 2,054 | 1,502 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 42,670 | 108,502 | 151,290 | 195,394 | 216,098 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | Subtotal Other Revenues | | 61,793 | 127,625 | 151,290 | 197,448 | 217,599 |
| 38. | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: **Final**

| Line No. | Description | Class | RECORDED YEARS | | | |
|--|---------------------------|-------|----------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$31,397,632 | \$24,991,422 | \$26,099,544 | \$31,023,751 |
| 49. | Revenues per Avg Customer | | \$1,132 | \$898 | \$935 | \$1,107 |
| | | | | | \$935 | \$1,176 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Estimated | | Proposed Test Year | | Escalation Year | |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|------------|--------------------|--|-----------------|--|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | | | |
| Metered Water Customers | | | | | | | | | | |
| 1. | Residential | SRES | 24,470,906 | 26,645,934 | 26,670,066 | 32,259,641 | 33,233,462 | | | |
| 2. | Multiresidential | MRES | 0 | 56,413 | 56,413 | 14,796 | 15,260 | | | |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | | | |
| 4. | Commercial | COMIM | 7,093,645 | 8,831,653 | 8,849,565 | 10,067,664 | 10,384,190 | | | |
| 5. | Industrial | INDR | 607,022 | 373,076 | 369,218 | 413,133 | 421,101 | | | |
| 6. | Public Authority | OPUA | 1,658,324 | 1,599,926 | 1,589,324 | 1,846,389 | 1,895,898 | | | |
| 7. | Sales for Resale | SLFR | 5,778 | 0 | 0 | 0 | 0 | | | |
| 8. | Other | OTHR | 24,037 | 76,381 | 77,829 | 104,820 | 109,966 | | | |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | | | |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | | | |
| 11. | Irrigation Gravity | IRRG | 8,270 | 0 | 0 | 0 | 0 | | | |
| 12. | Irrigation Pressure | IRRP | 188,619 | 294,396 | 88,317 | 0 | 0 | | | |
| 13. | Private Fire | RFPS | 0 | 4,129 | 7,872 | 14,081 | 18,156 | | | |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | | | |
| 15. | Public Fire | PFPS | 284,189 | 296,797 | 296,797 | 287,999 | 287,999 | | | |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | | | |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 | | | |
| 18. | Commercial (Flat) | | 34,340,790 | 38,178,705 | 38,005,401 | 45,008,523 | 46,366,032 | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|----------|------------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|
| | | | | | | | |
| 20. | Non-Metered Customers | | 0 | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 34,340,790 | 38,178,705 | 38,005,401 | 45,008,523 | 46,366,032 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 14,692 | 49,032 | 61,040 | 58,002 | 55,275 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 108,502 | 142,791 | 142,791 | 391,791 | 391,791 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 123,194 | 191,823 | 203,831 | 449,792 | 447,065 |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|--------------|--------------|--------------------|-----------------|
| | | | | 2019 | 2020 | 2021 | |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$34,463,984 | \$38,370,528 | \$38,209,232 | \$45,458,315 | \$46,813,097 |
| 49. | Revenues per Avg Customer | | \$1,230 | \$1,258 | \$1,252 | \$1,488 | \$1,531 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES
CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: 0

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | |
| 2. | Residential | SRES | N/A | -22% | 5% | 19% | 7% | -20% | 21% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | -74% |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -12% | 3% | 19% | 7% | -15% | 14% |
| 6. | Industrial | INDR | N/A | -34% | -7% | 17% | 5% | -11% | 12% |
| 7. | Public Authority | OPUA | N/A | -32% | 10% | 28% | 6% | -16% | 16% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | N/A | N/A | 30% | 115% | -31% | 35% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | -16% | 6% | -25% | -44% | #DIV/0! | -100% |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 79% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | -13% | 4% | -1% | 4% | 3% | -3% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | | N/A | -21% | 4% | 19% | 6% | -18% | 18% |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC

Filing: 0

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|------------------------------|-------|----------------|------|-------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 20. | Non-Metered Customers | | | | | | | | |
| 21. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -21% | 4% | 19% | 6% | -18% | 18% |
| 27. | Other Revenues | | | | | | | | |
| 28. | Method 5 Revenues | METH | N/A | 0% | -100% | N/A | -27% | -11% | -5% |
| 29. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Antenna Leases | ANTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32. | Misc Service Revenues | MISC | N/A | 154% | 39% | 29% | 11% | -64% | 174% |
| 33. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 107% | 19% | 31% | 10% | -57% | 121% |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES
CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: 0

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|--|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -20% | 4% | 19% | 6% | -18% | 19% |
| 49. | Revenues per Avg Customer | | N/A | -21% | 4% | 18% | 6% | -18% | 19% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|-------|-------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | \$904 | \$701 | \$730 | \$867 | \$924 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 2,567 | 2,245 | 2,310 | 2,720 | 2,881 |
| 6. | Industrial | INDR | 7,351 | 4,824 | 4,477 | 5,418 | 5,950 |
| 7. | Public Authority | OPUA | 5,305 | 3,610 | 3,986 | 5,151 | 5,451 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 2,824 | 2,344 | 3,080 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 6,884 | 5,907 | 6,882 | 7,313 | 7,007 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 1,012 | 840 | 865 | 864 | 888 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | \$1,130 | \$893 | \$929 | \$1,100 | \$1,168 |

CALIFORNIA AMERICAN WATER
Los Angeles County District - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)

Filing: Final

| Line No. | Description | Class | Present Rate | | Proposed Rate | |
|----------|-----------------------------|-------|---------------------------|---------|--------------------|------|
| | | | Last Authorized Test Year | 2018 | Proposed Test Year | 2021 |
| 1. | Metered Water Customers: | | | | | |
| 2. | Residential | SRES | \$991 | \$988 | \$1,194 | |
| 3. | Multiresidential | MRES | 0 | 713 | 423 | |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | |
| 5. | Commercial | COMM | 2,784 | 3,326 | 3,776 | |
| 6. | Industrial | INDR | 9,485 | 6,524 | 7,377 | |
| 7. | Public Authority | OPUA | 5,660 | 5,480 | 6,367 | |
| 8. | Sales for Resale | SLFR | 5,778 | 0 | 0 | |
| 9. | Other | OTHR | 6,009 | 2,835 | 3,744 | |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | |
| 11. | Construction | CSTR | 0 | 0 | 0 | |
| 12. | Irrigation Gravity | IRRG | 4,135 | 0 | 0 | |
| 13. | Irrigation Pressure | IRRP | 4,287 | 0 | 0 | |
| 14. | Private Fire | RFPS | 0 | 148 | 176 | |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | |
| 16. | Public Fire | PFPS | 756 | 785 | 762 | |
| 17. | Hotel | HOTL | 0 | 0 | 0 | |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | |
| 21. | Reserved | | | | | |
| 22. | Reserved | | | | | |
| 23. | TOTAL | | \$1,225 | \$1,242 | \$1,473 | |

**CALIFORNIA AMERICAN WATER
LOS ANGELES DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020, and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are submitted as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2016 reflect salary information as of April 2019.

Non-union Employee Salaries

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Union Employee Salaries Inflation

| | 2019 | 2020 | 2021 | 2022 |
|-------------|-------------|-------------|-------------|-------------|
| Los Angeles | N/A | 2.50% | 2.50% | 2.50% |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every effort was made to identify and remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

**CALIFORNIA AMERICAN WATER
LOS ANGELES DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
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Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the Los Angeles District include the following factors and assumptions:

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Operations and Maintenance Expenses

Source of Supply: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Water: Purchased water costs are primarily based on estimated total production, district operations assessments of sources and uses of produced and purchased water, and the current prices and assessments from water provider agencies.

Pumping: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Power: Purchased power was calculated based on fiscal 2018 kilowatt usage patterns and kilowatt per water production units at average kilowatt costs calculated from most recent 12 months billing data. This fiscal data was escalated and applied to the estimated water production quantities to derive purchased power estimates for 2019 through 2022. The fiscal year data was obtained from billing data of the power providers for the Los Angeles District.

Water Treatment: Expenses are forecasted based on the standard methodology outlined above.

Transmission & Distribution: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Costs for maintenance of Reservoirs and Tanks for 2019 through 2022 were forecasted based on scheduled tank painting needs and the associated amortization schedule.
- Costs for Comprehensive Planning Studies and Geographic Information Systems were forecasted based on identified needs
- State Water Resources Control Board drinking water fees were forecasted based on 2018 actual with escalation applied

Customer Accounts: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Adjustment for overflow customer calls to the Customer Service Center.
- Uncollectibles expense forecasted based on 5-year average of the annual uncollectible rate applied to forecasted revenues.

Administrative & General Expenses

**CALIFORNIA AMERICAN WATER
LOS ANGELES DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
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Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

- Adjustment for sampling monitoring systems (SAMS) modules.
- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as wells fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

General Office

General Office and Service Company costs are allocated to each district based upon customer count.

Acquisition Premium

Decision 01-09-057 approved the purchase of the water and wastewater assets of Citizens Utilities by American Water and authorized the recovery of the acquisition premium attributable to California American Water. A portion of the amortization of that premium has been allocated to the Los Angeles District.

Utility Plant Acquisition Adjustment

The revenue requirement related to the Utility Plant Acquisition Adjustment for the Fruitridge, Rio Plaza, Hillview and Bellflower acquisitions is allocated to each district based upon customer count.

Table Overview

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocated General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

**CALIFORNIA AMERICAN WATER
LOS ANGELES DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
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Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

Table 4.6a and Table 4.6b show recorded, forecasted, and last authorized Test Year O&M Expenses per customer.

Table 4.5b, Table 4.7, and Table 4.8 show Percent Change of recorded, forecasted, and last authorized Test Year O&M Expenses, A&G expenses, and Payroll expenses.

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Summary Description | Recorded Years | | | | |
|----------|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | 2,943.3 | 3,188.3 | 3,266.2 | 3,423.0 | 3,128.3 |
| 2. | Purchased Water | 5,691.0 | 3,861.2 | 3,978.2 | 5,956.4 | 7,257.2 |
| 3. | Purchased Power | 2,438.3 | 1,786.8 | 1,845.3 | 1,754.5 | 1,966.7 |
| 4. | Chemicals | 120.6 | 103.6 | 113.0 | 124.0 | 122.5 |
| 5. | Operation Expense | 339.0 | 319.8 | 401.9 | 475.1 | 620.8 |
| 6. | Maintenance (excluding Amort Tank Painting) | 638.7 | 458.8 | 584.4 | 1,004.8 | 453.4 |
| 7. | Amortization of Tank Painting | 123.2 | 113.1 | 137.4 | 104.6 | 110.0 |
| 8. | Customer Accounting | 277.3 | 274.9 | 282.7 | 290.8 | 301.2 |
| 9. | Uncollectible Expense | 186.3 | 136.3 | 168.4 | 179.5 | 170.8 |
| 10. | Insurance | 377.2 | 527.7 | 363.6 | 269.5 | 363.5 |
| 11. | Pensions and Benefits | 843.0 | 976.1 | 1,003.2 | 1,076.6 | 871.4 |
| 12. | Regulatory Expenses | 251.5 | 74.9 | 125.9 | 239.8 | 47.7 |
| 13. | Rents | 139.6 | 154.2 | 122.9 | 141.4 | 136.4 |
| 14. | Other Administrative & General | 1,291.7 | 1,315.3 | 1,321.7 | 1,625.8 | 1,385.3 |
| 15. | Service Company Costs | 2,078.0 | 2,098.9 | 2,115.0 | 1,873.6 | 1,859.9 |
| 16. | Citizens Acquisition Premium | 600.9 | 580.3 | 559.6 | 550.9 | 662.2 |
| 17. | General Office Return on Rate Base | 256.5 | 303.0 | 337.0 | 288.7 | 327.4 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Total Operating Expenses | 18,596.0 | 16,273.3 | 16,726.2 | 19,379.0 | 19,784.6 |
| 23. | Operating Expense per customer ² | 668.2 | 584.9 | 597.1 | 690.9 | 705.1 |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC

Filing: Final

SUMMARY OF TOTAL OPERATING EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Summary Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|----------|-----------------|---------------------------|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| 1. | Labor | 3,559.0 | 3,648.3 | 3,746.5 | 3,848.7 | | 2018 | Exh A Ch4 Tbl 4.2 |
| 2. | Purchased Water | 9,415.5 | 9,873.0 | 10,385.2 | 10,423.5 | | | Exh A Ch4 Tbl 4.3 |
| 3. | Purchased Power | 2,013.3 | 2,035.5 | 2,070.4 | 2,119.6 | | | Exh A Ch4 Tbl 4.3 |
| 4. | Chemicals | 118.7 | 120.5 | 122.7 | 125.4 | | | Exh A Ch4 Tbl 4.3 |
| 5. | Operation Expense | 249.2 | 295.5 | 1,559.6 | 399.7 | | | Exh A Ch4 Tbl 4.3 |
| 6. | Maintenance (excluding Amort Tank Painting) | 665.5 | 675.4 | 687.9 | 703.0 | | | Exh A Ch4 Tbl 4.4 |
| 7. | Amortization of Tank Painting | 134.1 | 147.5 | 154.6 | 162.6 | | | O&M RO |
| 8. | Customer Accounting | 331.5 | 336.3 | 342.6 | 350.3 | | | Exh A Ch4 Tbl 4.3 |
| 9. | Uncollectible Expense | 199.8 | 198.9 | 199.8 | 236.8 | | | Exh A Ch4 Tbl 4.3 |
| 10. | Insurance | 349.4 | 364.2 | 600.0 | 608.1 | | | Exh A Ch4 Tbl 4.5 |
| 11. | Pensions and Benefits | 809.0 | 897.2 | 920.7 | 962.8 | | | Exh A Ch4 Tbl 4.5 |
| 12. | Regulatory Expenses | 258.8 | 258.8 | 93.8 | 375.3 | | | Exh A Ch4 Tbl 4.5 |
| 13. | Rents | 141.5 | 145.1 | 215.7 | 182.5 | | | Exh A Ch4 Tbl 4.5 |
| 14. | Other Administrative & General | 1,470.5 | 1,486.5 | 1,557.9 | 1,468.0 | | | Exh A Ch4 Tbl 4.5 |
| 15. | Service Company Costs | 2,030.6 | 2,055.9 | 2,091.8 | 2,139.1 | | | Service Co RO |
| 16. | Citizens Acquisition Premium | 664.6 | 667.3 | 670.1 | 673.4 | | | WP Citizens Acq |
| 17. | General Office Return on Rate Base | 370.5 | 486.4 | 562.7 | 580.5 | | | CH09 RO |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 645.6 | 632.1 | | | CH02 RO |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | | | CH02 RO |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | Total Operating Expenses | 22,781.5 | 23,692.3 | 26,627.7 | 25,991.6 | | | 20,467.8 |
| 23. | Operating Expense per customer ⁽²⁾ | 746.9 | 775.9 | 871.3 | 849.8 | | | 730.3 |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Recorded Years | | | |
|----------|---|----------------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Salaries | 3,674.7 | 3,823.6 | 4,005.1 | 4,126.6 |
| 2. | Overtime | 161.0 | 238.3 | 201.8 | 177.6 |
| 3. | Total Salaries | 3,835.7 | 4,062.0 | 4,206.8 | 4,304.2 |
| 4. | Capitalized Payroll | (892.4) | (873.6) | (940.6) | (881.2) |
| 5. | Total Net Payroll | 2,943.3 | 3,188.3 | 3,266.2 | 3,423.0 |
| 6. | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 137.8 | 146.0 | 150.2 | 153.5 |
| 8. | | | | | |
| 9. | <u>Number of Employees</u> | | | | |
| 10. | | | | | |
| 11. | # of employees per thousand customers | 1.5 | 1.5 | 1.5 | 1.5 |
| 12. | | | | | |
| 13. | Number of employees | 42.2 | 42.5 | 42.4 | 42.8 |
| 14. | | | | | |
| 15. | | | | | |
| 16. | <u>Number of Customers</u> | | | | |
| 17. | | | | | |
| 18. | End of Year Customers (1,000's) | 27.8 | 27.8 | 28.0 | 28.0 |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------|-----------------|---------------------------|--------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | | |
| 1. | <u>Payroll Expense</u> | | | | | | | |
| 2. | Salaries | 4,449.3 | 4,562.8 | 4,687.2 | 4,816.4 | 3,759.7 | 3,759.7 | RO Labor |
| 3. | Overtime | 203.2 | 207.9 | 213.2 | 218.6 | 159.0 | 159.0 | RO Labor |
| 4. | Total Salaries | 4,652.5 | 4,770.7 | 4,900.4 | 5,035.0 | 3,918.6 | 3,918.6 | Ln1 + Ln2 |
| 5. | Capitalized Payroll | (1,093.5) | (1,122.4) | (1,153.8) | (1,186.3) | (912.2) | (912.2) | RO Labor |
| 6. | Total Net Payroll | 3,559.0 | 3,648.3 | 3,746.5 | 3,848.7 | 3,006.4 | 3,006.4 | Ln3 + Ln4 |
| 7. | Payroll per thousand customers (in \$000's) | 152.5 | 156.2 | 160.3 | 164.6 | 139.8 | 139.8 | Ln3 / Ln18 |
| 8. | | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | | |
| 10. | | | | | | | | |
| 11. | # of employees per thousand customers | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | Ln13 / Ln18 |
| 12. | | | | | | | | |
| 13. | Number of employees | 44.7 | 44.7 | 44.7 | 44.7 | 43.5 | 43.5 | WP O&M-RO |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | | |
| 17. | | | | | | | | |
| 18. | End of Year Customers (1,000's) | 30.5 | 30.5 | 30.6 | 30.6 | 28.0 | 28.0 | ExhA Tbl 3.1 / 3.2 |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
SUMMARY OF OPERATION EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | <u>Operation Expenses (exclude payroll)</u> | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 7.3 | 2.6 | 5.4 | 4.4 |
| 3. | SS Purchased Water | 704 | 5,691.0 | 3,861.2 | 3,978.2 | 5,956.4 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 6.0 | 0.4 | 0.0 | 1.1 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,438.3 | 1,786.8 | 1,845.3 | 1,754.5 |
| 8. | WT Operation Labor and Expenses | 742 | 0.0 | 0.0 | (0.0) | 3.0 |
| 9. | WT Miscellaneous Expenses | 743 | 155.6 | 116.3 | 121.7 | 170.7 |
| 10. | WT Chemicals and Filtering Materials | 744 | 120.6 | 103.6 | 113.0 | 124.0 |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 170.0 | 200.5 | 274.7 | 295.8 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 38.9 | 41.3 | 49.4 | 62.1 |
| 18. | CA Miscellaneous Customer Account | 774 | 238.5 | 233.6 | 233.3 | 228.6 |
| 19. | CA Uncollectible Accounts | 775 | 186.3 | 136.3 | 168.4 | 179.5 |
| 20. | Divisional Allocation | | | | | |
| 21. | Total Operation Expenses | | 9,052.5 | 6,482.6 | 6,789.4 | 8,780.3 |
| 22. | O&M Expense per customer ² | | 325.3 | 232.99 | 242.38 | 313.06 |
| | | | | | | 372.02 |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|----------|---------------------|----------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | 2021 | 2022 | | | |
| | Operation Expenses (exclude payroll) | | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 5.0 | 5.0 | 5.1 | 5.2 | 7.8 | 7.8 | O&M RO |
| 3. | SS Purchased Water | 704 | 9,415.5 | 9,873.0 | 10,385.2 | 10,423.5 | 6,784.4 | 6,784.4 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 2.4 | 2.5 | 2.5 | 2.6 | 4.0 | 4.0 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 2,013.3 | 2,035.5 | 2,070.4 | 2,119.6 | 2,164.1 | 2,164.1 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 0.6 | 0.6 | 0.6 | 0.6 | (0.2) | (0.2) | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 136.8 | 138.8 | 141.4 | 144.5 | 206.0 | 206.0 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | 118.7 | 120.5 | 122.7 | 125.4 | 91.4 | 91.4 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 104.5 | 148.5 | 1,410.0 | 246.7 | 334.3 | 334.3 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 92.6 | 93.8 | 95.6 | 97.9 | 42.2 | 42.2 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 238.9 | 242.5 | 247.0 | 252.4 | 227.2 | 227.2 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 199.8 | 198.9 | 199.8 | 236.8 | 180.8 | 180.8 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | 0.0 | |
| 21. | Total Operation Expenses | | 12,328.0 | 12,859.7 | 14,680.3 | 13,655.2 | 10,044.1 | 10,044.1 | |
| 22. | O&M Expense per customer ² | | 404.17 | 421.14 | 480.36 | 446.44 | 358.4 | 358.4 | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|-------|-------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | Maintenance Expenses | | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 11.2 | 34.1 | 60.3 | 53.8 |
| 8. | PP Maintenance of Structures and Impr | 730 | 18.8 | 6.4 | 2.7 | 0.8 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | PP Maintenance of Other Pumping | 733 | 60.3 | 17.3 | 0.9 | 0.0 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.1 | 0.0 | 0.0 | 1.1 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Maintenance of Transmission and Distr | 761 | 32.0 | 31.4 | 42.3 | 55.5 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 14.6 | 11.6 | 16.4 | 29.7 |
| 18. | TD Maintenance of Meters | 764 | 1.0 | 0.3 | 0.0 | 15.3 |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 2.8 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 623.9 | 470.9 | 599.3 | 950.5 |
| 21. | Total Maintenance Expenses | | 761.9 | 571.9 | 721.8 | 1,109.4 |
| 22. | O&M Expense per customer ² | | 27.4 | 20.6 | 25.8 | 39.6 |
| | | | | | | 20.1 |
| | | | | | | 563.4 |
| | | | | | | 410.2 |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

SUMMARY OF MAINTENANCE EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing:

Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 46.6 | 47.3 | 48.1 | 49.2 | 18.7 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 6.0 | 6.1 | 6.3 | 6.4 | 27.7 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 14.5 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 16.7 | 17.0 | 17.3 | 17.7 | 55.5 | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.2 | 0.2 | 0.2 | 0.2 | 1,158.9 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 17.8 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 36.3 | 36.8 | 37.5 | 38.3 | 119.2 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 26.9 | 27.3 | 27.8 | 28.4 | 0.0 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 3.5 | 3.6 | 3.6 | 3.7 | 1.1 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 0.7 | 0.7 | 0.8 | 0.8 | 1.3 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 662.6 | 683.9 | 700.9 | 721.0 | 433.2 | O&M RO |
| 21. | Total Maintenance Expenses | | 799.6 | 822.9 | 842.5 | 865.7 | 1,852.3 | |
| 22. | O&M Expense per customer ² | | 26.2 | 26.9 | 27.6 | 28.3 | 66.1 | |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

SUMMARY OF A&G EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | <u>Administrative & General Expenses</u> | | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | AG Office Supplies and Other Exp | 792 | 27.9 | 28.1 | 32.2 | 34.3 |
| 3. | AG Property Insurance | 793 | 68.6 | 67.1 | 58.2 | 55.5 |
| 4. | AG Injuries and Damages | 794 | 308.6 | 460.6 | 305.3 | 213.9 |
| 5. | AG Employees' Pensions and Benefits | 795 | 843.0 | 976.1 | 1,003.2 | 1,076.6 |
| 6. | AG Regulatory Commission Expenses | 797 | 251.5 | 74.9 | 125.9 | 239.8 |
| 7. | AG Outside Services Employed | 798 | 213.3 | 199.1 | 174.7 | 346.7 |
| 8. | AG Miscellaneous General Expenses | 799 | 1,010.0 | 1,037.3 | 1,037.5 | 1,156.6 |
| 9. | AG Maintenance of General Plant | 805 | 40.5 | 50.8 | 77.3 | 88.2 |
| 10. | AG Rents | 811 | 139.6 | 154.2 | 122.9 | 141.4 |
| 11. | | | | | | |
| 12. | | | | | | |
| 13. | | | | | | |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | | | | | | |
| 17. | | | | | | |
| 18. | | | | | | |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Total Administrative & General Exp | | 2,902.9 | 3,048.2 | 2,937.2 | 3,353.1 |
| 22. | O&M Expense per customer ⁽²⁾ | | 104.3 | 109.6 | 104.9 | 119.6 |
| | | | | | | 2,804.2 |
| | | | | | | 99.9 |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

SUMMARY OF A&G EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 33.3 | 33.8 | 34.5 | 35.2 | 30.4 | O&M RO |
| 3. | AG Property Insurance | 793 | 108.1 | 119.3 | 350.5 | 353.2 | 63.2 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 241.3 | 244.9 | 249.4 | 254.9 | 329.6 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 809.0 | 897.2 | 920.7 | 962.8 | 847.6 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 258.8 | 258.8 | 93.8 | 375.3 | 166.4 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 262.4 | 266.2 | 292.4 | 292.9 | 177.7 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 1,105.7 | 1,116.3 | 1,159.6 | 1,066.9 | 1,006.3 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 69.1 | 70.2 | 71.5 | 73.0 | 41.6 | O&M RO |
| 10. | AG Rents | 811 | 141.5 | 145.1 | 215.7 | 182.5 | 149.2 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 3,029.2 | 3,151.8 | 3,388.2 | 3,596.8 | 2,811.9 | |
| 22. | O&M Expense per customer ² | | 99.3 | 103.2 | 110.9 | 117.6 | 100.3 | |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | Recorded Years | | | |
|----------|---|----------------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 2,943.3 | 3,188.3 | 3,266.2 | 3,423.0 |
| 2. | Purchased Water | 5,691.0 | 3,861.2 | 3,978.2 | 5,956.4 |
| 3. | Purchased Power | 2,438.3 | 1,786.8 | 1,845.3 | 1,754.5 |
| 4. | Chemicals | 120.6 | 103.6 | 113.0 | 124.0 |
| 5. | Operation Expense | 339.0 | 319.8 | 401.9 | 475.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 638.7 | 458.8 | 584.4 | 1,004.8 |
| 7. | Amortization of Tank Painting | 123.2 | 113.1 | 137.4 | 104.6 |
| 8. | Customer Accounting | 277.3 | 274.9 | 282.7 | 290.8 |
| 9. | Uncollectible Expense | 186.3 | 136.3 | 168.4 | 179.5 |
| 10. | Insurance | 377.2 | 527.7 | 363.6 | 269.5 |
| 11. | Pensions and Benefits | 843.0 | 976.1 | 1,003.2 | 1,076.6 |
| 12. | Regulatory Expenses | 251.5 | 74.9 | 125.9 | 239.8 |
| 13. | Rents | 139.6 | 154.2 | 122.9 | 141.4 |
| 14. | Other Administrative & General | 1,291.7 | 1,315.3 | 1,321.7 | 1,625.8 |
| 15. | Service Company Costs | 2,078.0 | 2,098.9 | 2,115.0 | 1,873.6 |
| 16. | Citizens Acquisition Premium | 600.9 | 580.3 | 559.6 | 550.9 |
| 17. | General Office Return on Rate Base | 256.5 | 303.0 | 337.0 | 288.7 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC

Filing: Final

EXPENSES PER CUSTOMER (Recorded Years)

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Expenses Per Customer | | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|-------|--|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Labor | 105.8 | 114.6 | 116.6 | 122.0 | 111.5 | 107.3 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 204.5 | 138.8 | 142.0 | 212.4 | 258.6 | 242.1 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 87.6 | 64.2 | 65.9 | 62.6 | 70.1 | 77.2 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 4.3 | 3.7 | 4.0 | 4.4 | 4.4 | 3.3 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 12.2 | 11.5 | 14.3 | 16.9 | 22.1 | 19.7 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 23.0 | 16.5 | 20.9 | 35.8 | 16.2 | 61.7 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 4.4 | 4.1 | 4.9 | 3.7 | 3.9 | 4.4 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 10.0 | 9.9 | 10.1 | 10.4 | 10.7 | 9.7 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.7 | 4.9 | 6.0 | 6.4 | 6.1 | 6.5 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 13.6 | 19.0 | 13.0 | 9.6 | 13.0 | 14.0 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 30.3 | 35.1 | 35.8 | 38.4 | 31.1 | 30.2 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.0 | 2.7 | 4.5 | 8.5 | 1.7 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 5.0 | 5.5 | 4.4 | 5.0 | 4.9 | 5.3 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 46.4 | 47.3 | 47.2 | 58.0 | 49.4 | 44.8 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 74.7 | 75.4 | 75.5 | 66.8 | 66.3 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 21.6 | 20.9 | 20.0 | 19.6 | 23.6 | 22.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 9.2 | 10.9 | 12.0 | 10.3 | 11.7 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |
| 23. | | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
EXPENSES PER CUSTOMER (Est / Proj Years)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated and Projected Years | | |
|----------|---|-------------------------------|---------|----------|
| | | 2019 | 2020 | 2021 |
| 1. | Labor | 3,559.0 | 3,648.3 | 3,746.5 |
| 2. | Purchased Water | 9,415.5 | 9,873.0 | 10,385.2 |
| 3. | Purchased Power | 2,013.3 | 2,035.5 | 2,070.4 |
| 4. | Chemicals | 118.7 | 120.5 | 122.7 |
| 5. | Operation Expense | 249.2 | 295.5 | 1,559.6 |
| 6. | Maintenance (excluding Amort Tank Painting) | 665.5 | 675.4 | 687.9 |
| 7. | Amortization of Tank Painting | 134.1 | 147.5 | 154.6 |
| 8. | Customer Accounting | 331.5 | 336.3 | 342.6 |
| 9. | Uncollectible Expense | 199.8 | 198.9 | 199.8 |
| 10. | Insurance | 349.4 | 364.2 | 600.0 |
| 11. | Pensions and Benefits | 809.0 | 897.2 | 920.7 |
| 12. | Regulatory Expenses | 258.8 | 258.8 | 93.8 |
| 13. | Rents | 141.5 | 145.1 | 215.7 |
| 14. | Other Administrative & General | 1,470.5 | 1,486.5 | 1,557.9 |
| 15. | Service Company Costs | 2,030.6 | 2,055.9 | 2,091.8 |
| 16. | Citizens Acquisition Premium | 664.6 | 667.3 | 670.1 |
| 17. | General Office Return on Rate Base | 370.5 | 486.4 | 562.7 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 645.6 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 127.9 | 131.1 | 133.8 | 137.2 | 107.3 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 338.3 | 354.8 | 370.8 | 371.6 | 242.1 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 72.3 | 73.2 | 73.9 | 75.6 | 77.2 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 4.3 | 4.3 | 4.4 | 4.5 | 3.3 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 9.0 | 10.6 | 55.7 | 14.2 | 19.7 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 23.9 | 24.3 | 24.6 | 25.1 | 61.7 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 4.8 | 5.3 | 5.5 | 5.8 | 4.4 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 11.9 | 12.1 | 12.2 | 12.5 | 9.7 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 7.2 | 7.1 | 7.1 | 8.4 | 6.5 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 12.6 | 13.1 | 21.4 | 21.7 | 14.0 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 29.1 | 32.2 | 32.9 | 34.3 | 30.2 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.3 | 9.3 | 3.3 | 13.4 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 5.1 | 5.2 | 7.7 | 6.5 | 5.3 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 52.8 | 53.4 | 55.6 | 52.3 | 44.8 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 73.0 | 73.9 | 74.7 | 76.3 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 23.9 | 24.0 | 23.9 | 24.0 | 22.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 13.3 | 17.5 | 20.1 | 20.7 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 23.0 | 22.5 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses 1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|--------|--------|--------|--------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | 8.3% | 2.4% | 4.8% | -8.6% |
| 2. | Purchased Water | N/A | -32.2% | 3.0% | 49.7% | 21.8% |
| 3. | Purchased Power | N/A | -26.7% | 3.3% | -4.9% | 12.1% |
| 4. | Chemicals | N/A | -14.1% | 9.0% | 9.7% | -1.2% |
| 5. | Operation - Source of Supply (SS) | N/A | -5.7% | 25.7% | 18.2% | 30.7% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | -28.2% | 27.4% | 71.9% | -54.9% |
| 7. | Amortization of Tank Painting | N/A | -8.2% | 21.4% | -23.9% | 5.2% |
| 8. | Customer Accounting | N/A | -0.9% | 2.8% | 2.9% | 3.6% |
| 9. | Uncollectible Expense | N/A | -26.8% | 23.5% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 39.9% | -31.1% | -25.9% | 34.9% |
| 11. | Pensions and Benefits | N/A | 15.8% | 2.8% | 7.3% | -19.1% |
| 12. | Regulatory Expenses | N/A | -70.2% | 68.0% | 90.5% | -80.1% |
| 13. | Rents | N/A | 10.5% | -20.3% | 15.1% | -3.6% |
| 14. | Other Administrative & General | N/A | 1.8% | 0.5% | 23.0% | -14.8% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | -3.4% | -3.6% | -1.5% | 20.2% |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 23. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2018 |
| 1. | Labor | 13.8% | 2.5% | 2.7% | 2.7% | 24.6% |
| 2. | Purchased Water | 29.7% | 4.9% | 5.2% | 0.4% | 53.1% |
| 3. | Purchased Power | 2.4% | 1.1% | 1.7% | 2.4% | -4.3% |
| 4. | Chemicals | -3.1% | 1.5% | 1.8% | 2.2% | 34.2% |
| 5. | Operation - Source of Supply (SS) | -59.8% | 18.6% | 427.8% | -74.4% | 182.1% |
| 6. | Maintenance (excluding Amort Tank Painting) | 46.8% | 1.5% | 1.8% | 2.2% | -60.2% |
| 7. | Amortization of Tank Painting | 21.9% | 10.0% | 4.8% | 5.2% | 26.6% |
| 8. | Customer Accounting | 10.0% | 1.5% | 1.9% | 2.2% | 26.6% |
| 9. | Uncollectible Expense | 17.0% | -0.4% | 0.4% | 18.5% | 10.5% |
| 10. | Insurance | -3.9% | 4.2% | 64.7% | 1.4% | 52.8% |
| 11. | Pensions and Benefits | -7.2% | 10.9% | 2.6% | 4.6% | 8.6% |
| 12. | Regulatory Expenses | 443.0% | 0.0% | -63.7% | 300.0% | -43.6% |
| 13. | Rents | 3.8% | 2.5% | 48.7% | -15.4% | 44.6% |
| 14. | Other Administrative & General | 6.2% | 1.1% | 4.8% | -5.8% | 24.0% |
| 15. | Service Company Costs | 9.2% | 1.2% | 1.7% | 2.3% | 18.8% |
| 16. | Citizens Acquisition Premium | 0.4% | 0.4% | 0.4% | 0.5% | 6.8% |
| 17. | General Office Return on Rate Base | 13.2% | 31.3% | 15.7% | 3.2% | 54.3% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | -2.1% | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 23. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|-------|--------|--------|-------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Payroll Expense</u> | | | | | |
| 2. | Salaries | N/A | 4.1% | 4.7% | 3.0% | -3.0% |
| 3. | Overtime | N/A | 48.1% | -15.3% | -12.0% | 6.5% |
| 4. | Total Salaries | N/A | 5.9% | 3.6% | 2.3% | -2.6% |
| 5. | Capitalized Payroll | N/A | -2.1% | 7.7% | -6.3% | 20.8% |
| 6. | Total Net Payroll | N/A | 8.3% | 2.4% | 4.8% | -8.6% |
| 7. | Payroll per thousand customers (in \$000's) | N/A | 5.9% | 2.9% | 2.2% | -2.6% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | N/A | 0.8% | -1.0% | 0.9% | -0.8% |
| 12. | | | | | | |
| 13. | Number of employees | N/A | 0.7% | -0.4% | 1.0% | -0.7% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | 0.0% | 0.7% | 0.1% | 0.0% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: % calculations include allocation of General Office costs

Filing:

Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|-------------|---|--|-------|------------------------|--------------------|---------------------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2018 |
| 1. | Salaries | 11.1% | 2.6% | 2.7% | 2.8% | 24.7% |
| 2. | Overtime | 7.4% | 2.3% | 2.5% | 2.5% | 34.1% |
| 3. | Total Salaries | 11.0% | 2.5% | 2.7% | 2.7% | 25.1% |
| 4. | Capitalized Payroll | 2.7% | 2.6% | 2.8% | 2.8% | 26.5% |
| 5. | Total Net Payroll | 13.8% | 2.5% | 2.7% | 2.7% | 24.6% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 2.1% | 2.4% | 2.6% | 2.7% | 14.7% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | -3.2% | -0.1% | -0.1% | -0.1% | -5.7% |
| 12. | | | | | | |
| 13. | Number of employees | 5.2% | 0.0% | 0.0% | 0.0% | 2.8% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | 8.7% | 0.1% | 0.1% | 0.1% | 9.0% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC

Filing: Final

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--------------------------------|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | <u>Other Taxes</u> | | | | | |
| 1. | Ad Valorem | 507 | 805.3 | 813.0 | 857.0 | 843.9 |
| 2. | Franchise Taxes | 507 | 0.0 | 0.0 | 4.6 | (0.0) |
| 3. | Payroll Taxes | 507 | 234.1 | 249.0 | 253.0 | 243.6 |
| 4. | Other | 507 | 109.4 | 30.1 | 30.1 | 29.9 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 1,148.7 | 1,092.1 | 1,144.8 | 1,117.5 |
| 9. | Other Tax Expense per customer | | 41.3 | 39.25 | 40.87 | 39.84 |
| | | | | | | 42.36 |

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference | Sumif Criteria - Do Not Erase |
|----------|--------------------------------|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|-------------------------------|
| | | | 2019 | 2020 | | | | | |
| 1. | Ad Valorem | 507 | 898.5 | 1,107.8 | 1,340.7 | 1,524.7 | 1,004.7 | OTAX RO | 1550-Ad Valorem |
| 2. | Franchise Taxes | 507 | 1.0 | 1.0 | 1.0 | 1.0 | (45.1) | OTAX RO | 1550-Franchise Taxes |
| 3. | Payroll Taxes | 507 | 256.2 | 261.5 | 267.3 | 273.3 | 245.6 | OTAX RO | 1550-Payroll Taxes |
| 4. | Other | 507 | 46.6 | 47.3 | 48.2 | 49.2 | 48.8 | OTAX RO | 1550-Other |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1550-Non-Utility |
| 6. | | | | | | | | | 1550- |
| 7. | | | | | | | | | 1550- |
| 8. | Total Other Taxes | | 1,202.2 | 1,417.6 | 1,657.3 | 1,848.3 | 1,254.0 | | |
| 9. | Other Tax Expense per customer | | 39.42 | 46.42 | 54.23 | 60.43 | 44.7 | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables regarding the calculation of taxes based on income. The tables are presented as follows:

Table 6.1 – Calculation of Income Taxes at Present Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2020, and Attrition Year 2021 at the current or anticipated present rates in effect at the time.

Table 6.2 – Calculation of Income Taxes at Proposed Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2022, and Attrition Year 2023 if the tariff rates proposed by California American Water in this application are approved.

Information About Calculations

The methods used to compute taxable income are as follows:

- 1) Operating Revenues as shown on Chapter 2 – Tables 2.2 and 2.3 of the RO Report.
- 2) Total Operating Expenses and Uncollectibles as shown on Chapter 2- Tables 2.2 and 2.3 of the RO Report.
- 3) Book Depreciation as shown on Chapter 2 – Tables 2.2 and 2.3. California American Water has adopted FAS 109 and defers the difference between depreciation recorded on its books and depreciation used to calculate its taxable income.
- 4) Domestic Production Activity Deduction was calculated based on Internal Revenue Code Section 199 guidelines. Section 199 provides for a tax deduction based on qualified production activity income or wages whichever is less.
- 5) Rate Making Interest Expense was calculated using the Interest Synchronization Method that requires the application of the weighted cost of debt used in the calculation of the Rate of Return shown on Exhibit C to the net rate base shown on Chapter 9- Table 9.2 of the RO Report.
- 6) Taxes Other Than Income Taxes as shown on Exhibit A, Chapter 2, Tables 2.2 and 2.3.

- 7) Deferred Taxes can constitute one or more of the following:
- a. Investment Tax Credits that include the amortization of amounts deferred in previous years in accordance with previous provisions of the Federal Tax Code.
 - b. An adjustment to taxable net income resulting from the write-off of deferred income taxes amounts that resulted from a decrease in prior tax rates from 46% to 35%, known as the reverse South Georgia method. Additional deferred income taxes resulting from the reverse South Georgia method decrease have been grossed-up in accordance with FAS 109.
 - c. Additional deferred taxes resulting from bonus depreciation.

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|-------------------------------------|----------------|----------------|------------------------|------------------------------|----------------|-----------------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 38,370.5 | 38,209.2 | 38,380.7 | 45,488.0 | 46,922.0 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | | | |
| 3. | Operating Exps less uncollectibles | 22,581.7 | 23,493.3 | 26,427.9 | 25,754.7 | 25,996.7 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 199.8 | 198.9 | 199.8 | 236.8 | 236.8 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 3,874.1 | 4,392.9 | 5,002.3 | 5,606.7 | 6,211.1 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 2,493.5 | 2,795.6 | 3,370.9 | 3,718.5 | 4,066.2 | CH09, Tbl 9.2 |
| 8. | General Taxes | 1,202.2 | 1,417.6 | 1,657.3 | 1,848.3 | 2,049.7 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (12.1) | (12.3) | (12.5) | (12.8) | (13.1) | O&M RO |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | | | |
| 12. | Federal | 30,339.2 | 32,286.1 | 36,645.6 | 37,152.3 | 38,547.4 | Sum(Ln3...Ln10) |
| 13. | State | 30,339.2 | 32,286.1 | 36,645.6 | 37,152.3 | 38,547.4 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: **Final**

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|---|----------------|----------------|------------------------|------------------------------|----------------|--|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 8,031.3 | 5,923.1 | 1,735.1 | 8,335.8 | 8,374.6 | Calculated Ln13 X % N/A |
| 15. | State Income Tax @ (see below) | 710.0 | 523.6 | 153.4 | 736.9 | 740.3 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 710.0 | 523.6 | 153.4 | 736.9 | 740.3 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 7,321.3 | 5,213.1 | 1,211.5 | 7,554.8 | 7,511.7 | Calculated Ln19 X % WP Amort ITC |
| 20. | Federal Income Tax @ (See below) | 1,537.5 | 1,094.8 | 254.4 | 1,586.5 | 1,577.4 | |
| 21. | Less: Amort Deferred Federal ITC | (13.2) | (9.8) | (9.7) | (9.7) | (9.7) | |
| 22. | Less: Amort Excess Deferred Taxes | 0.0 | 0.0 | (544.2) | (545.4) | (550.9) | |
| 23. | FEDERAL INCOME TAX | 1,524.3 | 1,084.9 | (299.4) | 1,031.4 | 1,016.9 | Sum(Ln20...Ln22) |
| 24. | TOTAL TAXES ON INCOME | 2,234.2 | 1,608.5 | (146.1) | 1,768.3 | 1,757.2 | Ln18 + Ln 23 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|----------|-------------------------------------|-----------|-----------------|----------------|----------------|
| | | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 45,516.6 | 46,922.0 | 49,296.9 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | |
| 3. | Operating Exps less uncollectibles | 26,427.9 | 25,754.7 | 25,996.7 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 237.0 | 244.3 | 249.2 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 5,002.3 | 5,606.7 | 6,211.1 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 3,370.9 | 3,718.5 | 4,066.2 | CH09, Tbl 9.2 |
| 8. | General Taxes | 1,657.3 | 1,848.3 | 2,049.7 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (12.5) | (12.8) | (13.1) | CH06, Tbl 6.1 |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | |
| 12. | Federal | 36,682.8 | 37,159.7 | 38,559.7 | Sum(Ln3...Ln9) |
| 13. | State | 36,682.8 | 37,159.7 | 38,559.7 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|---|-----------------------------------|-----------|-----------------|----------------|---|
| | | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 8,833.9 | 9,762.3 | 10,737.2 | Calculated Ln13 X % CH06, Tbl 6.1 |
| 15. | State Income Tax @ (see below) | 780.9 | 863.0 | 949.2 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 780.9 | 863.0 | 949.2 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 8,310.3 | 8,981.4 | 9,874.2 | Calculated Ln18 X % CH06, Tbl 6.1 |
| 20. | Federal Income Tax @ (See below) | 1,745.2 | 1,886.1 | 2,073.6 | |
| 21. | Less: Amort Deferred Federal ITC | (9.7) | (9.7) | (9.7) | |
| 22. | Less: Amort Excess Deferred Taxes | (544.2) | (545.4) | (550.9) | |
| 23. | FEDERAL INCOME TAX | 1,191.3 | 1,331.0 | 1,513.0 | Ln19 + Ln 20 |
| 24. | TOTAL TAXES ON INCOME | 1,972.2 | 2,194.0 | 2,462.2 | Ln17 + Ln 21 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are thereofore, calculated at the District / Division level. | | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the Los Angeles District of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 110,272.4 | 111,847.1 | 121,742.5 | 129,477.7 | 134,521.5 |
| 2. | Gross Additions During Year | 5,058.3 | 10,103.4 | 8,334.4 | 5,517.2 | 13,926.3 |
| 3. | Retirements | 3,483.6 | 208.1 | 599.2 | 473.4 | 1,486.5 |
| 4. | Sales and Adjustments | 0.0 | (0.0) | 0.0 | (0.0) | (134.1) |
| 5. | Net Additions | 1,574.7 | 9,895.4 | 7,735.2 | 5,043.8 | 12,305.6 |
| 6. | Construction Work in Progress Beg. Bal. | 3,347.0 | 7,596.3 | 4,415.9 | 6,287.5 | 13,163.4 |
| 7. | Construction Work in Progress End Bal. | 7,596.3 | 4,415.9 | 6,287.5 | 13,163.4 | 10,942.4 |
| 8. | Net Change During Year - CWIP | 4,249.3 | (3,180.3) | 1,871.6 | 6,875.9 | (2,220.9) |
| 9. | Total Beg. Utility Plant and CWIP | 113,619.4 | 119,443.4 | 126,158.4 | 135,765.2 | 147,684.9 |
| 10. | Net Additions - Total | 5,824.0 | 6,715.0 | 9,606.8 | 11,919.7 | 10,084.7 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | 47.72% |
| 12. | Weighted Average Utility Plant | 116,398.6 | 122,647.8 | 130,742.8 | 141,453.3 | 152,497.3 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|--|---|-----------|-----------|---------------------|-----------|-----------------|---------------------------|-------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| 1. | Plant in Service Beg. of Year | 146,827.2 | 165,675.3 | 196,157.6 | 216,092.6 | | 145,447.6 | PLT RO |
| 2. | Gross Additions During Year | 18,833.0 | 21,997.7 | 20,411.2 | 23,322.9 | | 19,301.8 | PLT RO |
| 3. | Retirements | 327.1 | 600.3 | 476.3 | 691.9 | | 596.3 | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | L5-L2+L3 |
| 5. | Net Additions | 18,506.0 | 21,397.4 | 19,934.9 | 22,631.0 | | 18,705.5 | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 10,942.4 | 9,189.9 | 5,715.4 | 3,402.8 | | 11,047.8 | PLT RO |
| 7. | Construction Work in Progress End Bal. | 9,189.9 | 5,715.4 | 3,402.8 | (200.3) | | 3,332.6 | L7+L6 |
| 8. | Net Change During Year - CWIP | (1,752.5) | (3,474.5) | (2,312.6) | (3,603.1) | | (7,715.2) | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 157,769.6 | 174,865.1 | 201,873.0 | 219,495.4 | | 156,495.4 | L1+L6 |
| 10. | Net Additions - Total | 16,753.4 | 17,922.9 | 17,622.3 | 19,027.9 | | 10,990.2 | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | | 41.10% | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 165,764.3 | 183,417.9 | 210,282.4 | 228,575.5 | | 161,012.4 | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|-------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 110,272.4 | 111,847.1 | 121,742.5 | 129,477.7 | 134,521.5 |
| 2. | Gross Additions During Year | 5,058.3 | 10,103.4 | 8,334.4 | 5,517.2 | 13,926.3 |
| 3. | MISC Adjustments | 0.0 | (0.0) | 0.0 | (0.0) | (134.1) |
| 4. | Less Retirements | 3,483.6 | 208.1 | 599.2 | 473.4 | 1,486.5 |
| 5. | Plant in Service End. of Year | 111,847.1 | 121,742.5 | 129,477.7 | 134,521.5 | 146,827.2 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|-------------------------------|-----------|-----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | 2018 | |
| 1. | Plant in Service Beg. of Year | 146,827.2 | 165,675.3 | 196,157.6 | 216,092.6 | 145,447.6 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 18,833.0 | 21,997.7 | 20,411.2 | 23,322.9 | 19,301.8 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 327.1 | 600.3 | 476.3 | 691.9 | 596.3 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 165,333.1 | 187,072.6 | 216,092.6 | 238,723.6 | 164,153.0 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 116,398.6 | 122,647.8 | 130,742.8 | 141,453.3 | 152,497.3 |
| 2. | Average Customers | 27,737.0 | 27,832.0 | 27,921.0 | 28,035.0 | 28,058.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 4.2 | 4.4 | 4.7 | 5.0 | 5.4 |
| 4. | Change in Weighted Average Utility Plant | N/A | 6,249.2 | 8,095.0 | 10,710.5 | 11,044.0 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 5.37% | 6.60% | 8.19% | 7.81% |
| 6. | Percent of Incr. in Wgthd Avg Utility Plant Per Customer | N/A | 0.0002% | 0.0002% | 0.0003% | 0.0003% |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
((\$1,000's))

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 165,764.3 | 183,417.9 | 210,282.4 | 228,575.5 | 161,012.4 | 49,270.0 | EXA Tbl 7.1 |
| 2. | Average Customers | 30,492.0 | 30,517.0 | 30,549.0 | 30,576.0 | 28,026.0 | 2,523.0 | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 5.4 | 6.0 | 6.9 | 7.5 | 5.7 | 19.5 | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 13,267.0 | 17,653.6 | 26,864.5 | 18,293.1 | N/A | 49,270.0 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 8.70% | 10.65% | 14.65% | 8.70% | N/A | 30.60% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | 0.0003% | 0.0003% | 0.0005% | 0.0003% | N/A | 0.0011% | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the Los Angeles District of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its Los Angeles District. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the Los Angeles District.

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

Calculation of Weighted Average Plant Reserve

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|--|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 40,819.1 | 39,152.3 | 41,133.8 | 42,594.9 | 44,746.6 |
| 2. | Annual Accrual Including CIAC Depreciation | 2,600.5 | 2,758.8 | 3,044.7 | 3,198.3 | 3,418.9 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 3,483.6 | 208.1 | 599.2 | 473.4 | 1,486.5 |
| 5. | (Salvage) and Cost of Removal | (790.1) | (569.1) | (984.4) | (573.3) | (951.2) |
| 6. | Depreciation Reserve Adjustments | 6.3 | 0.0 | 0.0 | 0.0 | (159.5) |
| 7. | | | | | | |
| 8. | Net Accrual | (1,666.8) | 1,981.6 | 1,461.1 | 2,151.6 | 821.8 |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.14% |
| 10. | Weighted Average Depreciation | (785.7) | 934.1 | 688.8 | 1,014.3 | 387.4 |
| 11. | Weighted Average Deprecation Reserve | 40,033.4 | 40,086.4 | 41,822.6 | 43,609.2 | 45,134.0 |
| (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 45,568.3 | 48,742.9 | 51,617.0 | 55,527.5 | 45,358.4 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 3,769.4 | 4,239.5 | 4,769.9 | 5,291.3 | 3,708.9 | DEPR RO |
| 3. | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 327.1 | 600.3 | 476.3 | 691.9 | 596.3 | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | (267.7) | (765.1) | (383.1) | (345.3) | (647.5) | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | |
| 8. | Net Accrual | 3,174.6 | 2,874.1 | 3,910.6 | 4,254.2 | 2,465.1 | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.58% | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 1,496.5 | 1,354.8 | 1,843.4 | 2,005.4 | 1,172.9 | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 47,064.8 | 50,097.7 | 53,460.4 | 57,533.0 | 46,531.3 | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 40,819.1 | 39,152.3 | 41,133.8 | 42,594.9 | 44,746.6 |
| 2. | Annual Accrual Including CIAC Depreciation | 2,600.5 | 2,758.8 | 3,044.7 | 3,198.3 | 3,418.9 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 3,483.6 | 208.1 | 599.2 | 473.4 | 1,486.5 |
| 4. | (Salvage) and Cost of Removal | (790.1) | (569.1) | (984.4) | (573.3) | (951.2) |
| 5. | Depreciation Reserve Adjustments | 6.3 | 0.0 | 0.0 | 0.0 | (159.5) |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 39,152.3 | 41,133.8 | 42,594.9 | 44,746.6 | 45,568.3 |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|----------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 45,568.3 | 48,742.9 | 51,617.0 | 55,527.5 | 45,358.4 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 3,769.4 | 4,239.5 | 4,769.9 | 5,291.3 | 3,708.9 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 327.1 | 600.3 | 476.3 | 691.9 | 596.3 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | (267.7) | (765.1) | (383.1) | (345.3) | (647.5) | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 48,742.9 | 51,617.0 | 55,527.5 | 59,781.7 | 47,823.6 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in property required to provide quality service to customers in its Los Angeles District. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

Los Angeles County District - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 116,398.6 | 122,647.8 | 130,742.8 | 141,453.3 | 152,497.3 |
| 2. | Materials and Supplies | 116.3 | 151.9 | 183.3 | 171.7 | 225.1 |
| 3. | Working Cash, Operational | 1,282.5 | 1,487.6 | 4,017.1 | 3,227.0 | 2,410.2 |
| 4. | Working Cash, Lead Lag | 1,402.0 | 1,402.0 | (642.0) | (505.6) | (539.5) |
| 5. | SUBTOTAL | 119,199.3 | 125,689.4 | 134,301.1 | 144,346.3 | 154,593.1 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (40,033.4) | (40,086.4) | (41,822.6) | (43,609.2) | (45,134.0) |
| 9. | Advances for Construction | (589.3) | (799.1) | (964.1) | (941.9) | (1,003.9) |
| 10. | Unamortized Advances (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Contributions in Aid of Construction | (4,240.1) | (4,928.0) | (5,582.3) | (5,741.1) | (6,485.7) |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Accumulated Deferred Federal Income Taxes | (5,717.7) | (6,301.1) | (6,697.0) | (7,143.7) | (8,970.7) |
| 14. | Accumulated Deferred State Income Taxes | (1,584.4) | (1,940.0) | (2,821.3) | (3,205.5) | (3,042.3) |
| 15. | SUBTOTAL DEDUCTIONS | (52,164.9) | (54,054.7) | (57,887.3) | (60,641.4) | (64,636.5) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 67,034.5 | 71,634.7 | 76,413.7 | 83,704.9 | 89,956.6 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 2,091.5 | 2,235.0 | 2,384.1 | 2,611.6 | 2,257.9 |

Rate Base Calc EXA Tbl 9.1

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Weighted Average Rate Base
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|------------|---------------------|------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| 1. | Weighted Average Utility Plant in Service | 165,764.3 | 183,417.9 | 210,282.4 | 228,575.5 | | 161,012.4 | RB RO |
| 2. | Materials and Supplies | 180.2 | 182.9 | 186.2 | 190.3 | | 130.1 | RB RO |
| 3. | Working Cash, Operational | 3,326.5 | 3,138.7 | 3,069.9 | 2,869.0 | | 1,142.5 | RB RO |
| 4. | Working Cash, Lead Lag | 465.5 | 493.6 | 597.1 | 753.6 | | (539.5) | RB RO |
| 5. | SUBTOTAL | 169,736.5 | 187,233.1 | 214,135.6 | 232,388.4 | | 161,745.5 | Sum (L1:L4) |
| 6. | | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (47,064.8) | (50,097.7) | (53,460.4) | (57,533.0) | | (46,531.3) | RB RO |
| 9. | Advances for Construction | (1,229.9) | (1,372.6) | (1,354.2) | (1,336.2) | | (1,447.5) | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | 0.00 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 11. | Contributions in Aid of Construction | (8,108.3) | (9,083.5) | (8,986.0) | (8,882.0) | | (7,075.8) | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (10,836.6) | (11,989.6) | (12,503.4) | (12,702.7) | | (9,973.9) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (3,155.0) | (3,312.0) | (3,533.9) | (3,786.3) | | (3,170.8) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (70,394.6) | (75,855.4) | (79,837.9) | (84,240.1) | | (68,199.3) | Sum (L7:L14) |
| 16. | | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 99,341.9 | 111,377.7 | 134,297.7 | 148,148.3 | | 93,546.3 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | | 2.51% | RB RO |
| 19. | Rate Making Interest | 2,493.5 | 2,795.6 | 3,370.9 | 3,718.5 | | 2,348.0 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$67,034.5 | \$71,634.7 | \$76,413.7 | \$83,704.9 | \$89,956.6 |
| 2. | Average Customers | 27,737.0 | 27,832.0 | 27,921.0 | 28,035.0 | 28,058.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 2.4 | 2.6 | 2.7 | 3.0 | 3.2 |
| 4. | Change in Weighted Average Rate Base | N/A | 4,600.3 | 4,779.0 | 7,291.2 | 6,251.7 |
| 5. | Percent of Increase in Weighted Average Rate Base | N/A | 6.86% | 6.67% | 9.54% | 7.47% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | 0.0002% | 0.0002% | 0.0003% | 0.0003% |

CALIFORNIA-AMERICAN WATER COMPANY
Los Angeles County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|---|------------|-------------|---------------------|-------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$99,341.9 | \$111,377.7 | \$134,297.7 | \$148,148.3 | | \$93,546.3 | \$40,751.4 | RB RO |
| 2. | Average Customers | 30,492.0 | 30,517.0 | 30,549.0 | 30,576.0 | | 28,026.0 | 2,523.0 | ExAch3 TBL3.4,3.5 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 3.3 | 3.6 | 4.4 | 4.8 | | 3.33783826 | 16.2 | L1/L2 |
| 4. | Change in Weighted Average Rate Base | 9,385.3 | 12,035.8 | 22,920.0 | 13,850.6 | | N/A | 40,751.4 | Calculated |
| 5. | Percent of Increase in Weighted Average Rate Base | 10.43% | 12.12% | 20.58% | 10.31% | | N/A | 43.56% | Calculated |
| 6. | Percent of Incr. in Wgtd Avg Rate Base Per Customer | 0.0003% | 0.0004% | 0.0007% | 0.0003% | | N/A | 0.0016% | L2/L5 |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Tables in this chapter contain information regarding an analysis of billing information by customer class for the Los Angeles District. The analysis prices the average level of consumption using current tariff rates and rates proposed by California American Water for customers in its Los Angeles in this application.

The information is presented as follows:

Table 10.1 - These tables contain a comparison of bills at the average level of consumption at both present rates and rates California American Water proposes to become effective January 1, 2021 for customers in its Los Angeles District.

Table 10.2 - This table contains information about tariff rates currently in effect for customers of the Los Angeles District of California American Water.

Table 10.3 - This table contains information about tariff rates California American Water proposes be placed into effect on January 1, 2021 for customers of its Los Angeles District.

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - San Marino Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 142.59 | | |
| Customer Class | Residential | | |

| LA - San Marino Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 142.59 | | |
| Customer Class | Residential | | |

| LA - San Marino Current | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$10.04 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 97.00 | \$0.3406 | \$33.04 |
| Tier 3 | 45.59 | \$0.4749 | \$21.65 |
| Tier 4 | 0.00 | \$0.6973 | \$0.00 |
| | 0.00 | \$0.9158 | \$0.00 |
| Total Usage Charge (100 Gal) | 142.59 | | \$54.69 |
| Subtotal Base Bill | | | \$64.73 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 142.59 | \$0.0094 | \$1.34 |
| CEBA | 142.59 | \$0.0079 | \$1.13 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 142.59 | \$0.0513 | \$7.32 |
| Purchased Water | 142.59 | \$0.0292 | \$4.16 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$15.75 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$0.97 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 2.00% | \$1.58 |
| Subtotal Taxes & Fees | | | \$2.56 |
| Total Bill | | | \$83.04 |

| LA - San Marino Proposed | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$19.57 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 116.40 | \$0.4728 | \$55.04 |
| Tier 3 | 26.19 | \$0.5253 | \$13.76 |
| Tier 4 | 0.00 | \$0.7959 | \$0.00 |
| | 0.00 | \$1.0507 | \$0.00 |
| Total Usage Charge (100 Gal) | 142.59 | | \$68.80 |
| Subtotal Base Bill | | | \$88.37 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 142.59 | \$0.0062 | \$0.89 |
| CEBA | 142.59 | \$0.0055 | \$0.79 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 142.59 | \$0.0513 | \$7.32 |
| Purchased Water | 142.59 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | \$11.10 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$1.21 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 2.00% | \$1.97 |
| Subtotal Taxes & Fees | | | \$3.18 |
| Total Bill | | | \$102.65 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - San Marino Current | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 417.63 | | | |
| Customer Class | Commercial | | | |

| LA - San Marino Proposed | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 417.63 | | | |
| Customer Class | Commercial | | | |

| LA - San Marino Current | | | | |
|------------------------------|------------|-----------------|--|-----------|
| Water Service Charge | 5/8 x 3/4" | | | \$10.04 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 417.63 | \$0.4749 | | \$198.34 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 417.63 | | | \$198.34 |
| Subtotal Base Bill | | | | \$208.38 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 417.63 | \$0.0094 | | \$3.91 |
| CEBA | 417.63 | \$0.0079 | | \$3.30 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 417.63 | \$0.0513 | | \$21.42 |
| Purchased Water | 417.63 | \$0.0292 | | \$12.19 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | \$42.64 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$3.04 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$4.94 |
| Subtotal Taxes & Fees | | | | \$7.98 |
| Total Bill | | | | \$259.00 |

| LA - San Marino Proposed | | | | |
|------------------------------|------------|-----------------|--|-----------|
| Water Service Charge | 5/8 x 3/4" | | | \$19.57 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 417.63 | \$0.5253 | | \$219.40 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 417.63 | | | \$219.40 |
| Subtotal Base Bill | | | | \$238.97 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 417.63 | \$0.0062 | | \$2.61 |
| CEBA | 417.63 | \$0.0055 | | \$2.31 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 417.63 | \$0.0513 | | \$21.42 |
| Purchased Water | 417.63 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | \$28.45 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$3.26 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$5.30 |
| Subtotal Taxes & Fees | | | | \$8.55 |
| Total Bill | | | | \$275.97 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - San Marino Current | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 617.22 | | | |
| Customer Class | Industrial | | | |

| LA - San Marino Proposed | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | San Marino | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 617.22 | | | |
| Customer Class | Industrial | | | |

| LA - San Marino Current | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 617.22 | \$0.4749 | | \$293.13 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 617.22 | | | \$293.13 |
| Subtotal Base Bill | | | | \$373.45 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 617.22 | \$0.0094 | | \$5.78 |
| CEBA | 617.22 | \$0.0079 | | \$4.88 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 617.22 | \$0.0513 | | \$31.66 |
| Purchased Water | 617.22 | \$0.0292 | | \$18.02 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | \$62.15 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | | Charge |
| License Tax | | 1.23% | | \$5.29 |
| Franchise Fee | | 0.00% | | \$0.00 |
| | | 2.00% | | \$8.60 |
| Subtotal Taxes & Fees | | | | \$13.88 |
| Total Bill | | | | \$449.49 |

| LA - San Marino Proposed | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| Water Service Charge | 2" | | | \$156.58 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 617.22 | \$0.5253 | | \$324.26 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 617.22 | | | \$324.26 |
| Subtotal Base Bill | | | | \$480.83 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 617.22 | \$0.0062 | | \$3.85 |
| CEBA | 617.22 | \$0.0055 | | \$3.42 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 617.22 | \$0.0513 | | \$31.66 |
| Purchased Water | 617.22 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | \$41.03 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | | Charge |
| License Tax | | 1.23% | | \$6.37 |
| Franchise Fee | | 0.00% | | \$0.00 |
| | | 2.00% | | \$10.36 |
| Subtotal Taxes & Fees | | | | \$16.73 |
| Total Bill | | | | \$538.60 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - San Marino Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 586.45 | | |
| Customer Class | Public Authority | | |

| LA - San Marino Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 586.45 | | |
| Customer Class | Public Authority | | |

| LA - San Marino Current | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 586.45 | \$0.4749 | \$278.52 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 586.45 | | \$278.52 | |
| Subtotal Base Bill | | | | \$358.84 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 586.45 | \$0.0094 | \$5.49 | |
| CEBA | 586.45 | \$0.0079 | \$4.63 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 586.45 | \$0.0513 | \$30.08 | |
| Purchased Water | 586.45 | \$0.0292 | \$17.12 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$59.14 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | Charge | |
| License Tax | | 1.23% | \$5.07 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| | | 2.00% | \$8.25 | |
| Subtotal Taxes & Fees | | | | \$13.32 |
| Total Bill | | | | \$431.30 |

| LA - San Marino Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$156.58 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 586.45 | \$0.5253 | \$308.09 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 586.45 | | \$308.09 | |
| Subtotal Base Bill | | | | \$464.66 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 586.45 | \$0.0062 | \$3.66 | |
| CEBA | 586.45 | \$0.0055 | \$3.25 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 586.45 | \$0.0513 | \$30.08 | |
| Purchased Water | 586.45 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$39.09 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | Charge | |
| License Tax | | 1.23% | \$6.15 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| | | 2.00% | \$10.00 | |
| Subtotal Taxes & Fees | | | | \$16.15 |
| Total Bill | | | | \$519.91 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - San Marino Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 218.96 | | |
| Customer Class | Other | | |

| LA - San Marino Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Marino | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 218.96 | | |
| Customer Class | Other | | |

| LA - San Marino Current | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 3" | | \$150.60 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 218.96 | \$0.4749 | \$103.99 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 218.96 | | \$103.99 |
| Subtotal Base Bill | | | |
| | | | \$254.59 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 218.96 | \$0.0094 | \$2.05 |
| CEBA | 218.96 | \$0.0079 | \$1.73 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 218.96 | \$0.0513 | \$11.23 |
| Purchased Water | 218.96 | \$0.0292 | \$6.39 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$23.22 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$3.39 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 2.00% | \$5.52 |
| Subtotal Taxes & Fees | | | |
| | | | \$8.91 |
| Total Bill | | | |
| | | | \$286.71 |

| LA - San Marino Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 3" | | \$293.58 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 218.96 | \$0.5253 | \$115.03 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 218.96 | | \$115.03 |
| Subtotal Base Bill | | | |
| | | | \$408.61 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 218.96 | \$0.0062 | \$1.37 |
| CEBA | 218.96 | \$0.0055 | \$1.21 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 218.96 | \$0.0513 | \$11.23 |
| Purchased Water | 218.96 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$15.91 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$5.20 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 2.00% | \$8.46 |
| Subtotal Taxes & Fees | | | |
| | | | \$13.67 |
| Total Bill | | | |
| | | | \$438.19 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Duarte Current | | | | |
|--|-------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Duarte | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 123.17 | | | |
| Customer Class | Residential | | | |

| LA - Duarte Proposed | | | | |
|--|-------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Duarte | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 123.17 | | | |
| Customer Class | Residential | | | |

| LA - Duarte Current | | | | |
|----------------------------------|------------|-----------------|--|----------------|
| Water Service Charge | 5/8 x 3/4" | | | \$10.04 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 82.00 | \$0.3718 | | \$30.49 |
| Tier 3 | 41.17 | \$0.4764 | | \$19.61 |
| Tier 4 | 0.00 | \$0.5763 | | \$0.00 |
| | 0.00 | \$0.8806 | | \$0.00 |
| Total Usage Charge (100 Gal) | 123.17 | | | \$50.10 |
| Subtotal Base Bill | | | | |
| | | | | \$60.14 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 123.17 | \$0.0094 | | \$1.15 |
| CEBA | 123.17 | \$0.0209 | | \$2.57 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 123.17 | \$0.0474 | | \$5.84 |
| Purchased Water | 123.17 | \$0.0928 | | \$11.43 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | |
| | | | | \$22.80 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$1.01 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$1.64 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$2.64 |
| Total Bill | | | | |
| | | | | \$85.59 |

| LA - Duarte Proposed | | | | |
|----------------------------------|------------|-----------------|--|----------------|
| Water Service Charge | 5/8 x 3/4" | | | \$19.57 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 95.50 | \$0.4967 | | \$47.44 |
| Tier 3 | 27.67 | \$0.5581 | | \$15.44 |
| Tier 4 | 0.00 | \$0.7814 | | \$0.00 |
| | 0.00 | \$1.0560 | | \$0.00 |
| Total Usage Charge (100 Gal) | 123.17 | | | \$62.88 |
| Subtotal Base Bill | | | | |
| | | | | \$82.46 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 123.17 | \$0.0062 | | \$0.77 |
| CEBA | 123.17 | \$0.0055 | | \$0.68 |
| LIRA | Flat | \$1.81 | | \$1.8100 |
| WRAM/MCBA | 123.17 | \$0.0474 | | \$5.84 |
| Purchased Water | 123.17 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | |
| | | | | \$9.39 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$1.12 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$1.82 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$2.94 |
| Total Bill | | | | |
| | | | | \$94.79 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Duarte Current | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Duarte | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 687.59 | | | |
| Customer Class | Commercial | | | |

| LA - Duarte Proposed | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Duarte | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 687.59 | | | |
| Customer Class | Commercial | | | |

| LA - Duarte Current | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 687.59 | \$0.4764 | \$327.55 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 687.59 | | \$327.55 | |
| Subtotal Base Bill | | | | \$407.87 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 687.59 | \$0.0094 | \$6.44 | |
| CEBA | 687.59 | \$0.0209 | \$14.36 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 687.59 | \$0.0474 | \$32.59 | |
| Purchased Water | 687.59 | \$0.0928 | \$63.81 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$119.01 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$6.40 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$10.41 | |
| Subtotal Taxes & Fees | | | | \$16.81 |
| Total Bill | | | | \$543.69 |

| LA - Duarte Proposed | | | | |
|------------------------------|-----------|-----------------|-----------|----------|
| Water Service Charge | 2" | | | \$156.58 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 687.59 | \$0.5581 | \$383.77 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 687.59 | | \$383.77 | |
| Subtotal Base Bill | | | | \$540.35 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 687.59 | \$0.0062 | \$4.29 | |
| CEBA | 687.59 | \$0.0055 | \$3.81 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 687.59 | \$0.0474 | \$32.59 | |
| Purchased Water | 687.59 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$42.79 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$7.12 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$11.58 | |
| Subtotal Taxes & Fees | | | | \$18.70 |
| Total Bill | | | | \$601.84 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Duarte Current | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Duarte | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 714.19 | | | |
| Customer Class | Industrial | | | |

| LA - Duarte Proposed | | | | |
|--|------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Duarte | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 714.19 | | | |
| Customer Class | Industrial | | | |

| LA - Duarte Current | | | | |
|----------------------------------|-----------|-----------------|--|-----------------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| | 714.19 | \$0.4764 | | \$340.23 |
| Tier 2 | 0.00 | | | \$0.00 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 714.19 | | | \$340.23 |
| Subtotal Base Bill | | | | |
| | | | | \$420.55 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 714.19 | \$0.0094 | | \$6.69 |
| CEBA | 714.19 | \$0.0209 | | \$14.91 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 714.19 | \$0.0474 | | \$33.85 |
| Purchased Water | 714.19 | \$0.0928 | | \$66.28 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | |
| | | | | \$123.54 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$6.61 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$10.75 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$17.36 |
| Total Bill | | | | |
| | | | | \$561.45 |

| LA - Duarte Proposed | | | | |
|----------------------------------|-----------|-----------------|--|-----------------|
| Water Service Charge | 2" | | | \$156.58 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| | 714.19 | \$0.5581 | | \$398.62 |
| Tier 2 | 0.00 | | | \$0.00 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 714.19 | | | \$398.62 |
| Subtotal Base Bill | | | | |
| | | | | \$555.20 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 714.19 | \$0.0062 | | \$4.46 |
| CEBA | 714.19 | \$0.0055 | | \$3.95 |
| LIRA | Flat | \$1.81 | | \$1.8100 |
| WRAM/MCBA | 714.19 | \$0.0474 | | \$33.85 |
| Purchased Water | 714.19 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | |
| | | | | \$44.37 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$7.32 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$11.90 |
| Subtotal Taxes & Fees | | | | |
| | | | | \$19.22 |
| Total Bill | | | | |
| | | | | \$618.78 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Duarte Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 766.47 | | |
| Customer Class | Public Authority | | |

| LA - Duarte Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 766.47 | | |
| Customer Class | Public Authority | | |

| LA - Duarte Current | | | |
|------------------------------|-----------|-----------------|-----------|
| Water Service Charge | 2" | | \$80.32 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 766.47 | \$0.4764 | \$365.13 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 766.47 | | \$365.13 |
| Subtotal Base Bill | | | \$445.45 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 766.47 | \$0.0094 | \$7.18 |
| CEBA | 766.47 | \$0.0209 | \$16.00 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 766.47 | \$0.0474 | \$36.33 |
| Purchased Water | 766.47 | \$0.0928 | \$71.13 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$132.45 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$7.02 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$11.41 |
| Subtotal Taxes & Fees | | | \$18.43 |
| Total Bill | | | \$596.34 |

| LA - Duarte Proposed | | | |
|------------------------------|-----------|-----------------|-----------|
| Water Service Charge | 2" | | \$156.58 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 766.47 | \$0.5581 | \$427.80 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 766.47 | | \$427.80 |
| Subtotal Base Bill | | | \$584.38 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 766.47 | \$0.0062 | \$4.78 |
| CEBA | 766.47 | \$0.0055 | \$4.24 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 766.47 | \$0.0474 | \$36.33 |
| Purchased Water | 766.47 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | \$47.46 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$7.71 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$12.54 |
| Subtotal Taxes & Fees | | | \$20.25 |
| Total Bill | | | \$652.09 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Duarte Current | | | |
|--|----------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 4,859.91 | | |
| Customer Class | Other | | |

| LA - Duarte Proposed | | | |
|--|----------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Duarte | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 4,859.91 | | |
| Customer Class | Other | | |

| LA - Duarte Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 3" | | \$150.60 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 4859.91 | \$0.4764 | \$2,315.17 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 4859.91 | | \$2,315.17 |
| Subtotal Base Bill | | | |
| | | | \$2,465.77 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 4859.91 | \$0.0094 | \$45.51 |
| CEBA | 4859.91 | \$0.0209 | \$101.48 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 4859.91 | \$0.0474 | \$230.36 |
| Purchased Water | 4859.91 | \$0.0928 | \$451.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$830.16 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$39.98 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$65.01 |
| Subtotal Taxes & Fees | | | |
| | | | \$104.99 |
| Total Bill | | | |
| | | | \$3,400.92 |

| LA - Duarte Proposed | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 3" | | \$293.58 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 4859.91 | \$0.5581 | \$2,712.53 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 4859.91 | | \$2,712.53 |
| Subtotal Base Bill | | | |
| | | | \$3,006.10 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 4859.91 | \$0.0062 | \$30.32 |
| CEBA | 4859.91 | \$0.0055 | \$26.90 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 4859.91 | \$0.0474 | \$230.36 |
| Purchased Water | 4859.91 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$289.68 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$40.17 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$65.31 |
| Subtotal Taxes & Fees | | | |
| | | | \$105.47 |
| Total Bill | | | |
| | | | \$3,401.26 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Baldwin Hills Current | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 102.77 | | | |
| Customer Class | Residential | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 5/8 x 3/4" | | | |
| Estimated consumption (CGL's) | 102.77 | | | |
| Customer Class | Residential | | | |

| LA - Baldwin Hills Current | | | | |
|------------------------------|------------|-----------------|-----------|---------|
| Water Service Charge | 5/8 x 3/4" | | | \$10.04 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 82.00 | \$0.4783 | \$39.22 | |
| Tier 3 | 20.77 | \$0.5978 | \$12.42 | |
| Tier 4 | 0.00 | \$0.7757 | \$0.00 | |
| Tier 4 | 0.00 | \$1.0790 | \$0.00 | |
| Total Usage Charge (100 Gal) | 102.77 | | \$51.64 | |
| Subtotal Base Bill | | | | \$61.68 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 102.77 | \$0.0094 | \$0.96 | |
| CEBA | 102.77 | \$0.0350 | \$3.60 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 102.77 | \$0.0621 | \$6.38 | |
| Purchased Water | 102.77 | \$0.0269 | \$2.76 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$15.52 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | Charge | |
| License Tax | | 1.23% | \$0.94 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| | | 2.00% | \$1.52 | |
| Subtotal Taxes & Fees | | | | \$2.46 |
| Total Bill | | | | \$79.66 |

| LA - Baldwin Hills Proposed | | | | |
|------------------------------|------------|-----------------|-----------|---------|
| Water Service Charge | 5/8 x 3/4" | | | \$19.57 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 86.10 | \$0.5156 | \$44.39 | |
| Tier 3 | 16.67 | \$0.5729 | \$9.55 | |
| Tier 4 | 0.00 | \$0.8593 | \$0.00 | |
| Tier 4 | 0.00 | \$0.9928 | \$0.00 | |
| Total Usage Charge (100 Gal) | 102.77 | | \$53.94 | |
| Subtotal Base Bill | | | | \$73.51 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 102.77 | \$0.0062 | \$0.64 | |
| CEBA | 102.77 | \$0.0055 | \$0.57 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 102.77 | \$0.0621 | \$6.38 | |
| Purchased Water | 102.77 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$9.70 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | Charge | |
| License Tax | | 1.23% | \$1.02 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| | | 2.00% | \$1.65 | |
| Subtotal Taxes & Fees | | | | \$2.67 |
| Total Bill | | | | \$85.88 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Baldwin Hills Current | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 1" | | | |
| Estimated consumption (CGL's) | 229.34 | | | |
| Customer Class | Commercial | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 1" | | | |
| Estimated consumption (CGL's) | 229.34 | | | |
| Customer Class | Commercial | | | |

| LA - Baldwin Hills Current | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| Water Service Charge | 1" | | | \$25.10 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 229.34 | \$0.5978 | | \$137.11 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 229.34 | | | \$137.11 |
| Subtotal Base Bill | | | | \$162.21 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 229.34 | \$0.0094 | | \$2.15 |
| CEBA | 229.34 | \$0.0350 | | \$8.03 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 229.34 | \$0.0621 | | \$14.24 |
| Purchased Water | 229.34 | \$0.0269 | | \$6.17 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | \$32.40 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$2.37 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$3.85 |
| Subtotal Taxes & Fees | | | | \$6.22 |
| Total Bill | | | | \$200.82 |

| LA - Baldwin Hills Proposed | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| Water Service Charge | 1" | | | \$48.93 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 229.34 | \$0.5729 | | \$131.38 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 229.34 | | | \$131.38 |
| Subtotal Base Bill | | | | \$180.31 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 229.34 | \$0.0062 | | \$1.43 |
| CEBA | 229.34 | \$0.0055 | | \$1.27 |
| LIRA | Flat | \$1.81 | | \$1.8100 |
| WRAM/MCBA | 229.34 | \$0.0621 | | \$14.24 |
| Purchased Water | 229.34 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | \$19.05 |
| Taxes and Fees: | | Rates | | Charge |
| Commission Surcharge | | 1.23% | | \$2.43 |
| License Tax | | 0.00% | | \$0.00 |
| Franchise Fee | | 2.00% | | \$3.96 |
| Subtotal Taxes & Fees | | | | \$6.39 |
| Total Bill | | | | \$205.75 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Baldwin Hills Current | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 4" | | | |
| Estimated consumption (CGL's) | 4,226.94 | | | |
| Customer Class | Industrial | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|---------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 4" | | | |
| Estimated consumption (CGL's) | 4,226.94 | | | |
| Customer Class | Industrial | | | |

| LA - Baldwin Hills Current | | | | |
|------------------------------|-----------|-----------------|------------|------------|
| Water Service Charge | 4" | | | \$251.00 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 4226.94 | \$0.5978 | \$2,527.03 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 4226.94 | | \$2,527.03 | |
| Subtotal Base Bill | | | | \$2,778.03 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 4226.94 | \$0.0094 | \$39.58 | |
| CEBA | 4226.94 | \$0.0350 | \$148.05 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 4226.94 | \$0.0621 | \$262.49 | |
| Purchased Water | 4226.94 | \$0.0269 | \$113.70 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$565.63 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$40.64 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$66.08 | |
| Subtotal Taxes & Fees | | | | \$106.72 |
| Total Bill | | | | \$3,450.39 |

| LA - Baldwin Hills Proposed | | | | |
|------------------------------|-----------|-----------------|------------|------------|
| Water Service Charge | 4" | | | \$489.30 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 4226.94 | \$0.5729 | \$2,421.54 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 4226.94 | | \$2,421.54 | |
| Subtotal Base Bill | | | | \$2,910.83 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 4226.94 | \$0.0062 | \$26.37 | |
| CEBA | 4226.94 | \$0.0055 | \$23.40 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 4226.94 | \$0.0621 | \$262.49 | |
| Purchased Water | 4226.94 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$314.36 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$39.35 | |
| License Tax | | 0.00% | \$0.00 | |
| Franchise Fee | | 2.00% | \$63.98 | |
| Subtotal Taxes & Fees | | | | \$103.32 |
| Total Bill | | | | \$3,328.52 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| LA - Baldwin Hills Current | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 908.53 | | | |
| Customer Class | Public Authority | | | |

| LA - Baldwin Hills Proposed | | | | |
|--|------------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Baldwin Hills | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 2" | | | |
| Estimated consumption (CGL's) | 908.53 | | | |
| Customer Class | Public Authority | | | |

| LA - Baldwin Hills Current | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| Water Service Charge | 2" | | | \$80.32 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 908.53 | \$0.5978 | | \$543.16 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 908.53 | | | \$543.16 |
| Subtotal Base Bill | | | | \$623.48 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 908.53 | \$0.0094 | | \$8.51 |
| CEBA | 908.53 | \$0.0350 | | \$31.82 |
| LIRA | Flat | \$1.81 | | \$1.81 |
| WRAM/MCBA | 908.53 | \$0.0621 | | \$56.42 |
| Purchased Water | 908.53 | \$0.0269 | | \$24.44 |
| High Cost Fund | Flat | \$0.0000 | | \$0.00 |
| Subtotal Surcharges | | | | \$123.00 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | | Charge |
| License Tax | | 1.23% | | \$9.08 |
| Franchise Fee | | 0.00% | | \$0.00 |
| | | 2.00% | | \$14.76 |
| Subtotal Taxes & Fees | | | | \$23.84 |
| Total Bill | | | | \$770.31 |

| LA - Baldwin Hills Proposed | | | | |
|------------------------------|-----------|-----------------|--|-----------|
| Water Service Charge | 2" | | | \$156.58 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | | Charge |
| Tier 2 | 908.53 | \$0.5729 | | \$520.48 |
| Tier 3 | 0.00 | | | \$0.00 |
| Tier 4 | 0.00 | | | \$0.00 |
| Total Usage Charge (100 Gal) | 908.53 | | | \$520.48 |
| Subtotal Base Bill | | | | \$677.06 |
| Surcharges: | Units | Rates | | Surcharge |
| Conservation | 908.53 | \$0.0062 | | \$5.67 |
| CEBA | 908.53 | \$0.0055 | | \$5.03 |
| LIRA | Flat | \$1.81 | | \$1.8100 |
| WRAM/MCBA | 908.53 | \$0.0621 | | \$56.42 |
| Purchased Water | 908.53 | \$0.0000 | | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | | \$0.29 |
| Subtotal Surcharges | | | | \$69.22 |
| Taxes and Fees: | | | | |
| Commission Surcharge | | Rates | | Charge |
| License Tax | | 1.23% | | \$9.11 |
| Franchise Fee | | 0.00% | | \$0.00 |
| | | 2.00% | | \$14.81 |
| Subtotal Taxes & Fees | | | | \$23.92 |
| Total Bill | | | | \$770.20 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| Rio Plaza Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3/4" | | |
| Estimated consumption (CGL's) | 98.66 | | |
| Customer Class | Residential | | |

| Rio Plaza Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3/4" | | |
| Estimated consumption (CGL's) | 98.66 | | |
| Customer Class | Residential | | |

| Rio Plaza Current | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 3/4" | | \$29.87 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 44.88 | \$0.1939 | \$8.70 |
| Tier 2 | 44.88 | \$0.3142 | \$14.10 |
| Tier 3 | 8.90 | \$0.4492 | \$4.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 98.66 | | \$26.80 |
| Subtotal Base Bill | | | \$56.67 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 98.66 | \$0.0000 | \$0.00 |
| CEBA | 98.66 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 98.66 | \$0.0000 | \$0.00 |
| Purchased Water | 98.66 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$0.00 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| | | 1.23% | \$0.70 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$0.70 |
| Total Bill | | | \$57.36 |

| Rio Plaza Proposed | | | |
|----------------------------------|-----------|-----------------|----------------|
| Water Service Charge | 3/4" | | \$29.36 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 95.50 | \$0.4967 | \$47.44 |
| Tier 2 | 3.16 | \$0.5581 | \$1.76 |
| Tier 3 | 0.00 | \$0.7814 | \$0.00 |
| Tier 4 | 0.00 | \$1.0560 | \$0.00 |
| Total Usage Charge (100 Gal) | 98.66 | | \$49.20 |
| Subtotal Base Bill | | | \$78.56 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 98.66 | \$0.0062 | \$0.62 |
| CEBA | 98.66 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 98.66 | \$0.0000 | \$0.00 |
| Purchased Water | 98.66 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | \$2.72 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| | | 1.23% | \$0.99 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 2.00% | \$1.61 |
| Subtotal Taxes & Fees | | | \$2.61 |
| Total Bill | | | \$83.88 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| Rio Plaza Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 1,794.08 | | |
| Customer Class | Commercial | | |

| Rio Plaza Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Rio Plaza | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 1,794.08 | | |
| Customer Class | Commercial | | |

| Rio Plaza Current | | | |
|------------------------------|-----------|-----------------|-----------|
| Water Service Charge | 1" | | \$49.80 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 1794.08 | \$0.3142 | \$563.65 |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 1794.08 | | \$563.65 |
| Subtotal Base Bill | | | \$613.45 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1794.08 | \$0.0000 | \$0.00 |
| CEBA | 1794.08 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 1794.08 | \$0.0000 | \$0.00 |
| Purchased Water | 1794.08 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$0.00 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$7.55 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$7.55 |
| Total Bill | | | \$620.99 |

| Rio Plaza Proposed | | | |
|------------------------------|-----------|-----------------|------------|
| Water Service Charge | 1" | | \$48.93 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| | 1794.08 | \$0.5581 | \$1,001.35 |
| Tier 2 | 0.00 | \$0.0000 | \$0.00 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 1794.08 | | \$1,001.35 |
| Subtotal Base Bill | | | \$1,050.28 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1794.08 | \$0.0062 | \$11.19 |
| CEBA | 1794.08 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 1794.08 | \$0.0000 | \$0.00 |
| Purchased Water | 1794.08 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | \$13.30 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$12.94 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 2.00% | \$21.05 |
| Subtotal Taxes & Fees | | | \$33.99 |
| Total Bill | | | \$1,097.57 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| Bellflower Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 84.60 | | |
| Customer Class | Residential | | |

| Bellflower Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 84.60 | | |
| Customer Class | Residential | | |

| Bellflower Current | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$29.63 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 84.60 | \$0.2952 | \$24.97 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | | | \$0.00 |
| | 84.60 | | \$24.97 |
| Subtotal Base Bill | | | |
| | | | \$54.60 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 84.60 | \$0.0000 | \$0.00 |
| CEBA | 84.60 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 84.60 | \$0.0000 | \$0.00 |
| Purchased Water | 84.60 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.00 |
| Total Bill | | | |
| | | | \$54.60 |

| Bellflower Proposed | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$19.57 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 84.60 | \$0.4967 | \$42.03 |
| Tier 3 | | \$0.5581 | \$0.00 |
| Tier 4 | | \$0.7814 | \$0.00 |
| Total Usage Charge (100 Gal) | | \$1.0560 | \$0.00 |
| | 84.60 | | \$42.03 |
| Subtotal Base Bill | | | |
| | | | \$61.60 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 84.60 | \$0.0000 | \$0.00 |
| CEBA | 84.60 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.0000 |
| WRAM/MCBA | 84.60 | \$0.0000 | \$0.00 |
| Purchased Water | 84.60 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$0.76 |
| Franchise Fee | | 0.00% | \$0.00 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.76 |
| Total Bill | | | |
| | | | \$62.36 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| Bellflower Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 253.68 | | |
| Customer Class | Multiresidential | | |

| Bellflower Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 253.68 | | |
| Customer Class | Multiresidential | | |

| Bellflower Current | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$29.63 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 253.68 | \$0.2952 | \$74.88 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | | | \$0.00 |
| | 253.68 | | \$74.88 |
| Subtotal Base Bill | | | |
| | | | \$104.51 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 253.68 | \$0.0000 | \$0.00 |
| CEBA | 253.68 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 253.68 | \$0.0000 | \$0.00 |
| Purchased Water | 253.68 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 0.00% | \$0.00 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.00 |
| Total Bill | | | |
| | | | \$104.51 |

| Bellflower Proposed | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$19.57 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 253.68 | \$0.5581 | \$141.59 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | | | \$0.00 |
| | 253.68 | | \$141.59 |
| Subtotal Base Bill | | | |
| | | | \$161.16 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 253.68 | \$0.0000 | \$0.00 |
| CEBA | 253.68 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.0000 |
| WRAM/MCBA | 253.68 | \$0.0000 | \$0.00 |
| Purchased Water | 253.68 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.98 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$1.98 |
| Total Bill | | | |
| | | | \$163.14 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| Bellflower Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 194.87 | | |
| Customer Class | Commercial | | |

| Bellflower Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 194.87 | | |
| Customer Class | Commercial | | |

| Bellflower Current | | | |
|----------------------------------|------------|-----------------|----------------|
| Water Service Charge | 5/8 x 3/4" | | \$29.63 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 194.87 | \$0.2952 | \$57.52 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | | | \$57.52 |
| Subtotal Base Bill | | | |
| | | | \$87.15 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 194.87 | \$0.0000 | \$0.00 |
| CEBA | 194.87 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 194.87 | \$0.0000 | \$0.00 |
| Purchased Water | 194.87 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 0.00% | \$0.00 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.00 |
| Total Bill | | | |
| | | | \$87.15 |

| Bellflower Proposed | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$19.57 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 194.87 | \$0.5581 | \$108.77 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | | | \$108.77 |
| Subtotal Base Bill | | | |
| | | | \$128.34 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 194.87 | \$0.0000 | \$0.00 |
| CEBA | 194.87 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.0000 |
| WRAM/MCBA | 194.87 | \$0.0000 | \$0.00 |
| Purchased Water | 194.87 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.58 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$1.58 |
| Total Bill | | | |
| | | | \$129.92 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| Bellflower Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 105.55 | | |
| Customer Class | Public Authority | | |

| Bellflower Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 1" | | |
| Estimated consumption (CGL's) | 105.55 | | |
| Customer Class | Public Authority | | |

| Bellflower Current | | | |
|------------------------------|-----------|-----------------|-----------|
| Water Service Charge | 1" | | \$85.37 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 105.55 | \$0.2952 | \$31.16 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 105.55 | | \$31.16 |
| Subtotal Base Bill | | | \$116.53 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 105.55 | \$0.0000 | \$0.00 |
| CEBA | 105.55 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 105.55 | \$0.0000 | \$0.00 |
| Purchased Water | 105.55 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 0.00% | \$0.00 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$0.00 |
| Total Bill | | | \$116.53 |

| Bellflower Proposed | | | |
|------------------------------|-----------|-----------------|-----------|
| Water Service Charge | 1" | | \$48.93 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 105.55 | \$0.5581 | \$58.91 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | 105.55 | | \$58.91 |
| Subtotal Base Bill | | | \$107.84 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 105.55 | \$0.0000 | \$0.00 |
| CEBA | 105.55 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.0000 |
| WRAM/MCBA | 105.55 | \$0.0000 | \$0.00 |
| Purchased Water | 105.55 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$0.00 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.33 |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$1.33 |
| Total Bill | | | \$109.17 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS
STAND-ALONE

| Bellflower Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 937.49 | | |
| Customer Class | Other | | |

| Bellflower Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Bellflower | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 937.49 | | |
| Customer Class | Other | | |

| Bellflower Current | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 2" | | \$289.61 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 937.49 | \$0.2952 | \$276.74 |
| Tier 3 | | \$0.0000 | \$0.00 |
| Tier 4 | | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | | | \$276.74 |
| Subtotal Base Bill | | | |
| | | | \$566.35 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 937.49 | \$0.0000 | \$0.00 |
| CEBA | 937.49 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.00 |
| WRAM/MCBA | 937.49 | \$0.0000 | \$0.00 |
| Purchased Water | 937.49 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 0.00% | \$0.00 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$0.00 |
| Total Bill | | | |
| | | | \$566.35 |

| Bellflower Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 2" | | \$156.58 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 937.49 | \$0.5581 | \$523.26 |
| Tier 3 | 0.00 | \$0.0000 | \$0.00 |
| Tier 4 | 0.00 | \$0.0000 | \$0.00 |
| Total Usage Charge (100 Gal) | | | \$523.26 |
| Subtotal Base Bill | | | |
| | | | \$679.83 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 937.49 | \$0.0000 | \$0.00 |
| CEBA | 937.49 | \$0.0000 | \$0.00 |
| LIRA | Flat | \$0.00 | \$0.0000 |
| WRAM/MCBA | 937.49 | \$0.0000 | \$0.00 |
| Purchased Water | 937.49 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$0.00 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$8.36 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$8.36 |
| Total Bill | | | |
| | | | \$688.19 |

VENTURA COUNTY STAND ALONE

| CHAPTER | TABLE | EXHIBIT DESCRIPTION |
|-----------|----------------------|--|
| Chapter 1 | | INTRODUCTION AND SUMMARY OF APPLICATION |
| | Chapter Introduction | Discusses Historical And Present Operations And Primary Causes For Proposed Rate Increases |
| | | |
| Chapter 2 | | HISTORICAL AND PROJECTED SUMMARY OF EARNINGS |
| | Chapter Introduction | Discusses Summary Of Earnings Details |
| | Table 2.1 | Comparative Summary of Earnings for Test Year at Present and Proposed Rates |
| | Table 2.2 | Summary of Earnings At Proposed Rates |
| | Table 2.3 | Summary of Earnings at Present Rates |
| | Table 2.4 | Summary of Revenue Requirement Calculation |
| | | |
| Chapter 3 | | OPERATING REVENUES |
| | Chapter Introduction | Discusses Calculation Of Operating Revenues |
| | Table 3.1 | Customers at Year End - Recorded |
| | Table 3.2 | Customers at Year End - Authorized - Proposed |
| | Table 3.3 | Calculation of the Percent of Increase in Customers at Year End - Authorized - Recorded - Proposed |
| | Table 3.4 | Average Number of Customers - Recorded |
| | Table 3.5 | Average Number of Customers - Authorized - Proposed |
| | Table 3.6 | Calculation of the Percent of Increase in Average Number of Customers - Auth - Rec - Prop |
| | Table 3.7 | Ave Annual Cons Per Cust - Recorded |
| | Table 3.8 | Ave Annual Cons Per Cust - Authorized - Proposed |
| | Table 3.9 | Calculation of the Percent of Increase in Ave Annual Cons Per Cust - Auth - Rec - Prop |
| | Table 3.10 | Annual Consumption (ccf) - Recorded |
| | Table 3.11 | Annual Consumption (ccf) - Authorized - Proposed |
| | Table 3.12 | Calculation of the Percent of Increase in Annual Consumption - Auth - Rec - Propo |
| | Table 3.13 | Water Production (Kccf) - Recorded |
| | Table 3.14 | Water Production (Kccf) - Authorized - Proposed |
| | Table 3.15 | Calculation of Percent of Increase in Water Production - Auth - Rec - Prop |
| | Table 3.16 | Comparison of Revenue By Customer Class at Present and Proposed Rates |
| | Table 3.17 | Operating Revenues at Present Rate - Recorded |
| | Table 3.18 | Operating Revenues at Present Rate - Authorized - Proposed |
| | Table 3.19 | Calculation of Percent of Increase in Operating Revenue at Present Rates - Auth - Rec - Prop |
| | Table 3.20 | Operating Revenues at Proposed Rate - Recorded |
| | Table 3.21 | Operating Revenues at Proposed Rate - Authorized - Proposed |
| | Table 3.22 | Calculation of Percent of Increase in Operating Revenue at Proposed Rates - Auth - Rec - Prop |
| | Table 3.23 | Operating Revenues Per Customer - Recorded |
| | Table 3.24 | Operating Revenues Per Customer - Authorized - Proposed |
| | | |
| Chapter 4 | | OPERATING EXPENSES |
| | Chapter Introduction | Discusses Summary Of Operating Expense Information |
| | Table 4.1 | Summary of Total Operating Expenses - Recorded-Authorized-Proposed |
| | Table 4.2 | Payroll Expense |
| | Table 4.3 | Summary of Operation Expenses - Recorded-Authorized-Proposed |
| | Table 4.4 | Summary of Maintenance Expenses - Recorded-Authorized-Proposed |
| | Table 4.5 | Summary of A&G Expenses - Recorded-Authorized-Proposed |
| | Table 4.6a | Expenses Per Customer-Recorded Years |
| | Table 4.6b | Expenses Per Customer-Projected Years |
| | Table 4.7 | Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | Table 4.8 | Payroll Expense Percent Change from Prior Year in %-Recorded-Authorized-Proposed |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This section contains information regarding the corporate and operating history of the Ventura District. This information will enable the CPUC and parties reviewing the GRC application to understand the development of the district, the unique nature of the service territory and other issues faced by the district throughout its history that have shaped the present operation.

VENTURA DISTRICT

OVERVIEW OF THE VENTURA DISTRICT OPERATION

This section discusses the present day-to-day operation of the Ventura District of California American Water. Also discussed are issues that are being addressed by the district in order to continue to provide quality service to the customers it serves. This information will assist the CPUC and parties reviewing the GRC application in understanding issues faced by the district on a daily basis as they consider whether the revenue requirements proposed by California American Water for 2018, 2019, and 2020 are adequate to continue to address daily service issues.

HISTORY OF THE VENTURA DISTRICT OPERATION

California American Water Company acquired the Ventura Water Company from the Janss family in 1967. Ventura Water Company had originally been founded to serve land developments in the Conejo Valley. Upon acquisition, the Ventura Water Company became the Ventura District of California American Water.

Between 1970 and 2004, the number of customers served by the Ventura District practically tripled. At the end of 1970, the Ventura District provided water service to approximately 7,200 customers. That number increased to almost 17,000 by the end of 2004 and upon completion of the Dos Vientos and MGM Ranch projects the Ventura District anticipates it will serve approximately 21,000 customers.

Originally, the Ventura District obtained all of its water supply from local wells. As the service area and the number of customers served grew, the yield from the wells became inadequate. Additionally, there were concerns about the continued quality of the water from the local wells. Therefore, in 1974 the use of water from the local wells was discontinued. From that time forward all water provided by the Ventura District to its customers was purchased from the State Water Project.

PRESENT OPERATIONS OF THE VENTURA DISTRICT

District Operations and Personnel

The Ventura District Operations Center is a leased facility located in the industrial area of Newbury Park, California. Upon expiration of the lease in 1988, negotiations with the landlord resulted in the addition of 4,750 square feet of the existing 3,500 covered by the expired lease. This expansion took into consideration the significant customer and employee growth within the service area. Expansion and renovation of the Operations Center was completed in June 1990.

Service Areas

The Ventura District of California American Water covers an approximate 26 square mile area North of Los Angeles County and approximately 70 miles south of Santa Barbara in the Conejo Valley of Southern Ventura County. The Ventura District presently provides water service in and adjacent to the unincorporated community of Newbury Park, a portion of, and territory contiguous to the City of Thousand Oaks and a small unincorporated area adjacent to the City of Camarillo known as Las Posas Estates.

Elevation within the certificated service area varies from 590' in the Main Zone Gradient to 1,360' above sea level in the White Stallion Gradient. Service area maps are included with this GRC application.

The customer base of the service area includes research and industrial facilities for Amgen, Baxter Healthcare Corporation and North American Rockwell. Several other large customers include such companies as Blue Cross, Los Robles Regional Medical Center and California Lutheran University. Ventura also provides water service to two major regional shopping centers, The Oaks and Janss Marketplace.

Source of Water Supply

All of the water requirements for the Ventura District are purchased from Calleguas Municipal Water District, which is a member agency of the Metropolitan Water District of Southern California. The Ventura District receives water from the Calleguas Municipal Water District through 12 separate connections located throughout the service area.

The Ventura District also has 2 emergency inter-connections with Crestview Mutual Water in Camarillo and the City of Thousand Oak in Thousand Oaks. These inter-connections allow for the transfer of water between the parties during emergency situations. A log of the water transferred is maintained.

Water Rights

In addition to private right-of-way grants, the Ventura District operates under a 50-year franchise granted by the County of Ventura on December 12, 1961 by Ordinance No. 1118. Authority to exercise this franchise was granted by the CPUC in Decision No. 66230 dated October 29, 1963.

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables that summarize earnings information and calculations at present and proposed rates presented as follows:

Table 2.1 – Comparative Summary of Earnings

This table contains a detailed summary of earnings for the 2021 Test Year at present and proposed rates as filed by California American Water. The table also contains columns for the inclusion and comparison of a detailed summary of earnings for the 2021 Test Year at present and proposed rates that will be filed by the California Public Advocates (Cal PA) during the processing of the application. For further comparison, the table contains a column for details of the summary of earnings for the 2021 Test Year adopted by the CPUC in its final decision regarding this application.

Table 2.2 – Summary of Earnings at Proposed Rates

This table contains a detailed summary of earnings for 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year at Proposed rates as filed by California American Water in this application.

Table 2.3 – Summary of Earnings at Present Rates

This table contains a detailed summary of earnings for the recorded years 2014-2018, Estimated Years 2019 and 2020, Test Year 2021, Escalation Year 2022, and Attrition Year 2023 at present rates. A comparison to these amounts to the adopted amounts from the most recent rate case filed by California American Water at proposed rates is also included.

Table 2.4 – Summary of Revenue Requirement Calculation

This table contains calculations of revenue requirements for the 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year based on financial information presented by California American Water in this application.

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
COMPARATIVE SUMMARY OF EARNINGS
FOR TEST YEAR AT PRESENT AND PROPOSED RATES

Filing: **Final**

| (\$ 1,000's) | At Present Rates | | At Proposed Rates | | Adopted Rates |
|--------------------------------|------------------|--------|-------------------|--------|---------------|
| Description | CAW | CAL PA | CAW | CAL PA | CPUC |
| Operating Revenues | 37,670.8 | 0.0 | 43,862.3 | 0.0 | 0.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 2,157.7 | 0.0 | 2,157.7 | 0.0 | 0.0 |
| Purchased Water | 23,984.8 | 0.0 | 23,984.8 | 0.0 | 0.0 |
| Purchased Power | 286.8 | 0.0 | 286.8 | 0.0 | 0.0 |
| Chemicals | 0.2 | 0.0 | 0.2 | 0.0 | 0.0 |
| Operation and Maintenance | 2,597.0 | 0.0 | 2,597.0 | 0.0 | 0.0 |
| Customer Accounting | 231.3 | 0.0 | 231.3 | 0.0 | 0.0 |
| Uncollectibles | 196.1 | 0.0 | 228.4 | 0.0 | 0.0 |
| Insurance | 404.5 | 0.0 | 404.5 | 0.0 | 0.0 |
| Pensions and Benefits | 555.4 | 0.0 | 555.4 | 0.0 | 0.0 |
| Regulatory Expense | 65.0 | 0.0 | 65.0 | 0.0 | 0.0 |
| Rents | 474.0 | 0.0 | 474.0 | 0.0 | 0.0 |
| Other Administrative & General | 823.8 | 0.0 | 823.8 | 0.0 | 0.0 |
| Subtotal | 31,776.5 | 0.0 | 31,808.8 | 0.0 | 0.0 |
| Service Company | 1,448.2 | 0.0 | 1,448.2 | 0.0 | 0.0 |
| Citizens Acquisition Premium | 463.9 | 0.0 | 463.9 | 0.0 | 0.0 |
| GO Return on Rate Base | 389.5 | 0.0 | 389.5 | 0.0 | 0.0 |
| Return on and of UPAA | 447.0 | 0.0 | 447.0 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M Expenses | 34,525.1 | 0.0 | 34,557.3 | 0.0 | 0.0 |
| Depreciation | 2,924.5 | 0.0 | 2,924.5 | 0.0 | 0.0 |
| General Taxes | 863.8 | 0.0 | 863.8 | 0.0 | 0.0 |
| Total Operating Expenses | 38,313.4 | 0.0 | 38,345.6 | 0.0 | 0.0 |
| Income Before Income Taxes | (642.6) | 0.0 | 5,516.7 | 0.0 | 0.0 |
| State Income Taxes | (196.9) | 0.0 | 347.6 | 0.0 | 0.0 |
| Federal Income Taxes | (954.4) | 0.0 | 339.1 | 0.0 | 0.0 |
| Total Income Taxes | (1,151.3) | 0.0 | 686.6 | 0.0 | 0.0 |
| Utility Operating Income | 508.7 | 0.0 | 4,830.0 | 0.0 | 0.0 |
| Rate Base | 63,469.8 | 0.0 | 63,469.8 | 0.0 | 0.0 |
| Return on Rate Base | 0.80% | 0.00% | 7.61% | 0.00% | 0.00% |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
SUMMARY OF EARNINGS AT PROPOSED RATES
(\$ 1,000's)

Filing:

Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|---|------------------------|--------------------|-------------------|-------------------|
| | 2021 | 2022 | 2023 | |
| Operating Revenues | 43,862.3 | 43,789.3 | 44,887.9 | Tbl 2.4 |
| Operation & Maintenance Exp | | | | |
| Labor | 2,157.7 | 2,220.6 | 2,272.1 | Tbl 2.3 |
| Purchased Water | 23,984.8 | 24,071.4 | 24,071.4 | Tbl 2.3 |
| Purchased Power | 286.8 | 294.3 | 294.3 | Tbl 2.3 |
| Chemicals | 0.2 | 0.2 | 0.2 | Tbl 2.3 |
| Operation Expense | 1,755.8 | 492.7 | 496.3 | Tbl 2.3 |
| Maintenance (excluding Amort Tank Painting) | 94.2 | 96.3 | 98.0 | Tbl 2.3 |
| Amortization of Tank Painting | 747.0 | 661.4 | 676.7 | Tbl 2.3 |
| Customer Accounting | 231.3 | 236.5 | 240.4 | Tbl 2.3 |
| Uncollectible Expense | 228.4 | 228.0 | 234.9 | Tbl 2.3 |
| Insurance | 404.5 | 409.9 | 415.7 | Tbl 2.3 |
| Pensions and Benefits | 555.4 | 580.0 | 593.5 | Tbl 2.3 |
| Regulatory Expenses | 65.0 | 259.8 | 259.8 | Tbl 2.3 |
| Rents | 474.0 | 458.1 | 466.6 | Tbl 2.3 |
| Other Administrative & General | 823.8 | 843.8 | 860.2 | Tbl 2.3 |
| Service Company Costs | 1,448.2 | 1,480.9 | 1,516.6 | Tbl 2.3 |
| Citizens Acquisition Premium | 463.9 | 466.2 | 468.6 | Tbl 2.3 |
| General Office Return on Rate Base | 389.5 | 401.9 | 414.3 | Tbl 2.3 |
| Return on and of UPAA | 447.0 | 437.6 | 428.3 | Tbl 2.3 |
| Sam Clemente Dam | 0.0 | 0.0 | 0.0 | |
| Total O&M expenses | 34,557.3 | 33,639.5 | 33,807.8 | Calculated |
| Depreciation | 2,924.5 | 3,212.1 | 3,499.8 | Tbl 2.3 |
| General Taxes | 863.8 | 937.3 | 1,030.4 | Tbl 2.3 / CH02 RO |
| Total Operating Expenses | 38,345.6 | 37,788.9 | 38,337.9 | Calculated |
| Income Before Income Taxes | 5,516.7 | 6,000.4 | 6,550.0 | Calculated |
| State Income Taxes | 347.6 | 377.5 | 413.3 | Tbl 6.2 |
| Federal Income Taxes | 339.1 | 353.1 | 427.1 | Tbl 6.2 |
| Total Income Taxes | 686.6 | 730.6 | 840.4 | Calculated |
| Utility Operating Income | 4,830.0 | 5,269.8 | 5,709.6 | Calculated |
| Average Rate Base | 63,469.8 | 69,248.8 | 75,027.8 | Tbl 2.3 |
| Return on Rate Base | 7.61% | 7.61% | 7.61% | Calculated |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC

SUMMARY OF EARNINGS AT PRESENT RATES

| Description | Note: Expenses Include Allocation of General Office Expenses | | | | | | | | | | Note: Expenses Include Allocation of G&A | | | |
|---|--|-----------|----------|----------|----------|----------|----------|-----------|----------|----------|--|-----------------|----------------|---------------------------|
| | Recorded Years | | | | | | | | | | Projected Test Year | Escalation Year | Attrition Year | Last Authorized Test Year |
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | | | | |
| Operating Revenues | 36,084.4 | 29,195.2 | 29,506.4 | 32,911.3 | 35,065.7 | 37,362.9 | 37,516.2 | 37,670.8 | 44,013.5 | 43,789.3 | | | | 37,495.5 |
| Operation & Maintenance Exp | | | | | | | | | | | | | | |
| Labor | 1,909.4 | 1,947.5 | 1,910.9 | 1,882.0 | 1,866.1 | 2,041.1 | 2,097.3 | 2,157.7 | 2,220.6 | 2,272.1 | | | | 1,757.9 |
| Purchased Water | 23,403.5 | 20,249.3 | 19,974.9 | 21,802.0 | 22,562.0 | 23,802.1 | 23,891.5 | 23,984.8 | 24,071.4 | 24,071.4 | | | | 22,471.3 |
| Purchased Power | 297.4 | 242.7 | 277.8 | 252.1 | 260.6 | 275.2 | 280.5 | 286.8 | 294.3 | 294.3 | | | | 290.2 |
| Chemicals | (0.0) | 0.0 | 0.3 | (0.2) | 0.7 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | | | | 0.0 |
| Operation Expense | 175.9 | 248.3 | 226.7 | 300.0 | 366.1 | 146.7 | 188.9 | 1,755.8 | 492.7 | 496.3 | | | | 338.1 |
| Maintenance (excluding Amort Tank Painting) | 58.0 | 64.0 | 50.3 | 64.9 | 105.8 | 91.1 | 92.4 | 94.2 | 96.3 | 98.0 | | | | 116.3 |
| Amortization of Tank Painting | 351.2 | 320.4 | 346.8 | 424.8 | 353.2 | 377.2 | 347.8 | 747.0 | 661.4 | 676.7 | | | | 367.1 |
| Customer Accounting | 198.8 | 202.5 | 201.8 | 210.5 | 222.5 | 223.8 | 227.1 | 231.3 | 236.5 | 240.4 | | | | 199.2 |
| Uncollectible Expense | 139.9 | 104.7 | 126.5 | 134.8 | 128.3 | 194.5 | 195.3 | 196.1 | 229.2 | 229.2 | | | | 203.6 |
| Insurance | 278.2 | 389.8 | 266.0 | 509.0 | 268.4 | 231.4 | 241.5 | 404.5 | 409.9 | 415.7 | | | | 295.2 |
| Pensions and Benefits | 570.3 | 552.2 | 573.9 | 613.6 | 515.4 | 490.7 | 541.5 | 555.4 | 580.0 | 593.5 | | | | 452.5 |
| Regulatory Expenses | 188.9 | 56.3 | 94.6 | 181.8 | 35.8 | 179.1 | 179.1 | 65.0 | 259.8 | 259.8 | | | | 125.9 |
| Rents | 388.7 | 405.0 | 441.9 | 398.3 | 420.3 | 412.0 | 419.2 | 474.0 | 458.1 | 466.6 | | | | 410.1 |
| Other Administrative & General | 816.7 | 811.9 | 785.1 | 859.6 | 916.3 | 804.1 | 829.4 | 823.8 | 843.8 | 860.2 | | | | 805.4 |
| Service Company Costs | 1,560.9 | 1,576.6 | 1,588.7 | 1,407.4 | 1,397.1 | 1,405.8 | 1,423.3 | 1,448.2 | 1,480.9 | 1,516.6 | | | | 1,332.3 |
| Citizens Acquisition Premium | 416.0 | 401.7 | 387.4 | 381.4 | 458.5 | 460.1 | 462.0 | 463.9 | 466.2 | 468.6 | | | | 474.8 |
| General Office Return on Rate Base | 192.7 | 227.6 | 253.1 | 216.8 | 245.9 | 256.5 | 336.7 | 389.5 | 401.9 | 414.3 | | | | 275.9 |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 447.0 | 437.6 | 428.3 | | | | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| Total O&M expenses | 30,946.6 | 27,800.6 | 27,506.7 | 29,638.7 | 30,123.0 | 31,391.6 | 31,753.7 | 34,525.1 | 33,640.7 | 33,802.0 | | | | 29,915.7 |
| Depreciation | 1,722.2 | 1,830.9 | 2,000.0 | 2,132.4 | 2,235.9 | 2,388.2 | 2,655.9 | 2,924.5 | 3,212.1 | 3,499.8 | | | | 2,217.7 |
| General Taxes | 523.9 | 569.2 | 633.1 | 633.4 | 672.0 | 692.8 | 776.0 | 863.8 | 937.3 | 1,030.4 | | | | 600.5 |
| Total Operating Expenses | 33,192.6 | 30,200.8 | 30,139.8 | 32,404.6 | 33,030.8 | 34,472.6 | 35,185.6 | 38,313.4 | 37,790.1 | 38,332.2 | | | | 32,733.9 |
| Income Before Income Taxes | 2,891.8 | (1,005.6) | (633.5) | 506.7 | 2,034.9 | 2,890.3 | 2,330.6 | (642.6) | 6,223.5 | 5,457.1 | | | | 4,761.6 |
| State Income Taxes | 153.8 | (206.0) | (185.8) | (93.1) | 68.0 | 139.3 | 80.3 | (196.9) | 397.2 | 316.7 | | | | 310.3 |
| Federal Income Taxes | 530.6 | (756.1) | (683.5) | (348.8) | 134.5 | 293.2 | 155.0 | (954.4) | 399.9 | 197.6 | | | | 628.1 |
| Total Income Taxes | 684.3 | (962.0) | (869.4) | (442.0) | 202.5 | 432.5 | 235.2 | (1,151.3) | 797.1 | 514.3 | | | | 938.5 |
| Utility Operating Income | 2,207.5 | (43.5) | 235.9 | 948.7 | 1,832.4 | 2,457.8 | 2,095.3 | 508.7 | 5,426.3 | 4,942.9 | | | | 3,823.1 |
| Average Rate Base | 37,251.1 | 42,736.8 | 47,319.4 | 50,249.7 | 50,675.1 | 52,672.4 | 56,990.2 | 63,469.8 | 69,248.8 | 75,027.8 | | | | 50,237.9 |
| Return on Rate Base | 5.93% | -0.10% | 0.50% | 1.89% | 3.62% | 4.67% | 3.68% | 0.80% | 7.84% | 6.59% | | | | 7.61% |

| CALIFORNIA AMERICAN WATER Ventura County District - 2019 GRC SUMMARY OF EARNINGS AT PRESENT RATES (\$ 1,000's) | | Final General Office Expenses |
|---|---------------------|----------------------------------|
| Description | Reference | |
| Operating Revenues | Ch 3, Tbl 3.17-3.18 | |
| Operation & Maintenance Exp | | |
| Labor | Ch 4, Tbl 4.1 | |
| Purchased Water | Ch 4, Tbl 4.1 | |
| Purchased Power | Ch 4, Tbl 4.1 | |
| Chemicals | Ch 4, Tbl 4.1 | |
| Operation Expense | Ch 4, Tbl 4.1 | |
| Maintenance (excluding Amort Tank Painting) | Ch 4, Tbl 4.1 | |
| Amortization of Tank Painting | Ch 4, Tbl 4.1 | |
| Customer Accounting | Ch 4, Tbl 4.1 | |
| Uncollectible Expense | Ch 4, Tbl 4.1 | |
| Insurance | Ch 4, Tbl 4.1 | |
| Pensions and Benefits | Ch 4, Tbl 4.1 | |
| Regulatory Expenses | Ch 4, Tbl 4.1 | |
| Rents | Ch 4, Tbl 4.1 | |
| Other Administrative & General | Ch 4, Tbl 4.1 | |
| Service Company Costs | Ch 4, Tbl 4.1 | |
| Citizens Acquisition Premium | Ch 4, Tbl 4.1 | |
| General Office Return on Rate Base | Ch 4, Tbl 4.1 | |
| Return on and of UPAA | Ch 4, Tbl 4.1 | |
| San Clemente Dam | Ch 4, Tbl 4.1 | |
| Total O&M expenses | Calculated | |
| Depreciation | SE RO | |
| General Taxes | Ch 5, Tbl 5.1 | |
| Total Operating Expenses | Calculated | |
| Income Before Income Taxes | Calculated | |
| State Income Taxes | Ch 6, Tbl 6.1-6.2 | |
| Federal Income Taxes | Ch 6, Tbl 6.1-6.2 | |
| Total Income Taxes | Calculated | |
| Utility Operating Income | Calculated | |
| Average Rate Base | Ch 9, Tbl 9.1 | |
| Return on Rate Base | Calculated | |

SUMMARY OF REVENUE REQUIREMENT CALCULATION

| (\$ 1,000's) | Projected Test Year | Escalation Year | Attrition Year | |
|---|------------------------|--------------------|-------------------|---------------|
| Description | 2021 | 2022 | 2023 | Reference |
| Weighted Average Rate Base | 63,469.8 | 69,248.8 | 75,027.8 | Ch 9, Tbl 9.1 |
| Rate of Return Requested | 7.61% | 7.61% | 7.61% | |
| Utility Operating Income Required | 4,830.1 | 5,269.8 | 5,709.6 | Calculated |
| At Present Rates | 508.7 | 5,426.3 | 4,942.9 | Ch 2, Tbl 2.3 |
| Increase (Decrease) in UOI Required | 4,321.4 | (156.5) | 766.8 | Calculated |
| Net to Gross Multiplier | 1.43277 | 1.43273 | 1.43279 | CH02 RO |
| Gross Revenues | | | | |
| Incr (Decr) in Revenues Required | 6,191.5 | (224.2) | 1,098.6 | Calculated |
| Revenues at Present Rates | 37,670.8 | 44,013.5 | 43,789.3 | Ch 2, Tbl 2.3 |
| Revenues at Proposed Rates | 43,862.3 | 43,789.3 | 44,887.9 | Calculated |
| Percent Incr (Decr) in Revenues | 16.44% | -0.51% | 2.51% | Calculated |
| <u>Net-To-Gross Multiplier</u> | | | | |
| The items of expense shown below increase in direct proportion to any increase in gross revenue. The net-to-gross multiplier applicable to the test year, escalation year and the attrition year is as follows: | | | | |
| County Franchise Tax: | 0.00% | 0.00% | 0.00% | |
| Uncollectible Accounts: | 0.5207% | 0.5207% | 0.5207% | |
| Reserved: | 0.00% | 0.00% | 0.00% | |
| Reserved: | 0.00% | 0.00% | 0.00% | |
| State Corporation Franchise Tax: | 8.84% | 8.84% | 8.84% | |
| Federal Income Tax: | 21.00% | 21.00% | 21.00% | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables used to forecast customers, water sales and operating revenues as filed by California American Water in this application and is presented as follows:

Table 3.1 through Table 3.6

These tables contain information regarding projections of the number of customers for the Ventura District of California American Water presented in this application. The number of customers forecasted to be served by the district during 2019 through 2022 was determined by using a five year historical growth average and adjusted for growth due to acquisitions, if applicable.

Table 3.7 through 3.15

These tables contain water sales and water production information for the Ventura District of California American Water as filed in this application. An average use per customer is determined based on total consumption divided by the number of billed days.

Consumption estimates for the Test Year 2021 and Escalation Year 2022 are derived from the average use per customer for the two latest recorded years multiplied against the projected average number of customers per classification.

Table 3.16 through 3.22

These tables contain operating revenue information for the Ventura District of California American Water presented in this application.

Revenues at present rates for the 2019-2020 result from forecasted customers and sales presented in this Chapter and rates currently or anticipated to be in effect. For this calculation, California American Water included surcharges for purchased water offsets as part of base revenues since these are rolled back into base rates at the start of the Test Year.

Revenues at proposed rates for 2021 and 2022 are determined by taking the proposed service and volumetric rates necessary to meet California American Water's projected

revenue requirement multiplied by forecasted customers and sales. The revenues result from applying the overall proposed increase as determined in the revenue requirement to all of the present rates from the preceding year.

Miscellaneous Service revenues for the 2021 Test Year include forecasted amounts related to Non Sufficient Funds (NSF) fees, Reconnection and Late Fees, Antenna Lease, and Deferred Contribution to Revenues. Conservation and PUC fees have been excluded as they represent charges that are separate and above the base revenue requirement. The presentation in this chapter does not reflect any effects from surcharges requested in this application. However, California American Water has included surcharges in its bill impact analysis where applicable.

Method 5 Amortization revenue is based on the amortization of deferred Contribution in Aid of Construction revenues from Table 9.1.

California American Water
Ventura County District - 2019 GRC
CUSTOMERS AT YEAR END
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|---|---------------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 19,312 | 19,326 | 19,317 | 19,251 | 19,273 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,063 | 1,059 | 1,048 | 1,109 | 1,116 |
| 6. | Industrial | INDR | 165 | 164 | 167 | 174 | 175 |
| 7. | Public Authority | OPUA | 194 | 194 | 193 | 189 | 190 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 9 | 5 | 4 | 1 | 2 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 336 | 340 | 334 | 336 | 332 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 21,079 | 21,088 | 21,063 | 21,060 | 21,088 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | |

California American Water
Ventura County District - 2019 GRC
CUSTOMERS AT YEAR END
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|---|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 | 2023 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 19,416 | 19,279 | 19,285 | 19,291 | 19,296 | 19,302 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 1,077 | 1,133 | 1,150 | 1,167 | 1,184 | 1,201 |
| 5. | Industrial | INDR | 164 | 177 | 180 | 182 | 185 | 187 |
| 6. | Public Authority | OPUA | 194 | 190 | 189 | 189 | 188 | 188 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 5 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 351 | 332 | 332 | 332 | 332 | 332 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | | 21,207 | 21,111 | 21,136 | 21,161 | 21,185 | 21,210 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

California American Water
Ventura County District - 2019 GRC
CUSTOMERS AT YEAR END
CALCULATION OF PERCENT CHANGE IN CUSTOMERS AT YEAR END

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|---------|---------|---------|---------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.07% | -0.05% | -0.34% | 0.11% | 0.03% | 0.03% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -0.38% | -1.04% | 5.82% | 0.63% | 1.53% | 1.48% |
| 6. | Industrial | INDR | N/A | -0.61% | 1.83% | 4.19% | 0.57% | 1.37% | 1.33% |
| 7. | Public Authority | OPUA | N/A | 0.00% | -0.52% | -2.07% | 0.53% | -0.23% | -0.23% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | -44.44% | -20.00% | -75.00% | 100.00% | -100.00% | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 1.19% | -1.76% | 0.60% | -1.19% | 0.00% | 0.00% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | 0.61% | -0.03% | -0.07% | 0.06% | 0.11% | 0.12% |
| References: Recorded year % calculated by dividing the # customers by prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr # customers by last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

California American Water
Ventura County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 19,264 | 19,319 | 19,322 | 19,284 | 19,262 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 998 | 1,061 | 1,054 | 1,079 | 1,113 |
| 6. | Industrial | INDR | 166 | 165 | 166 | 171 | 175 |
| 7. | Public Authority | OPUA | 187 | 194 | 194 | 191 | 190 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 8 | 7 | 5 | 3 | 2 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 334 | 338 | 337 | 335 | 334 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 20,957 | 21,084 | 21,078 | 21,063 | 21,076 |

Reference Line 17 is sum of lines 2 thru 16
Average calculated using current and prior period-end customers.

California American Water
Ventura County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|--|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | | 2019 | 2020 | | | |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 19,416 | 19,276 | 19,282 | 19,288 | 19,294 | 19,299 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 1,077 | 1,125 | 1,142 | 1,159 | 1,176 | 1,193 |
| 5. | Industrial | INDR | 164 | 176 | 179 | 181 | 183 | 186 |
| 6. | Public Authority | OPUA | 194 | 190 | 189 | 189 | 188 | 188 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 5 | 1 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire Mandated | RPPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 348 | 332 | 332 | 332 | 332 | 332 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | | 21,204 | 21,100 | 21,124 | 21,149 | 21,173 | 21,198 |
| References Line 17 is sum of lines 2 thru 16 | | | | | | | | |
| Average calculated using current and prior period-end customers. | | | | | | | | |

California American Water
Ventura County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
CALCULATION OF PERCENT CHANGE IN AVERAGE NUMBER OF CUSTOMERS

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|-----------------------------|-------|----------------|---------|---------|---------|---------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.29% | 0.02% | -0.20% | -0.11% | 0.07% | 0.03% | |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | 6.31% | -0.66% | 2.37% | 3.15% | 1.08% | 1.49% | |
| 6. | Industrial | INDR | N/A | -0.60% | 0.61% | 3.01% | 2.34% | 0.57% | 1.12% | |
| 7. | Public Authority | OPUA | N/A | 3.74% | 0.00% | -1.55% | -0.52% | 0.00% | 0.00% | |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | -12.50% | -28.57% | -40.00% | -33.33% | -50.00% | N/A | |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | 1.20% | -0.30% | -0.59% | -0.30% | -0.60% | 0.00% | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | 0.61% | -0.03% | -0.07% | 0.06% | 0.11% | 0.12% | |
| | | | | | | | | | | |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. | | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. | | | | | | | | | | |
| Proposed test year % calculated by dividing theaverage # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|---------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 237.8 | 181.8 | 170.1 | 182.4 | 193.4 |
| 3. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMM | 1,463.1 | 1,027.7 | 1,036.0 | 1,122.9 | 1,132.3 |
| 6. | Industrial | INDR | 4,386.6 | 3,901.0 | 3,713.6 | 3,609.7 | 3,289.8 |
| 7. | Public Authority | OPUA | 3,099.8 | 2,015.8 | 2,119.5 | 2,085.2 | 2,249.1 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 1,358.6 | 183.3 | 2,531.4 | 2,056.2 | 1,987.7 |
| 12. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RPFS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | TOTAL | | 351.2 | 267.4 | 257.1 | 273.1 | 284.3 |
| References: Line 17 is total consumption TBL 3.10 divided by average customers TBL 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|---|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 217.1 | 203.1 | 203.1 | 203.1 | 203.1 | 203.1 |
| 3. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMM | 1,245.0 | 1,194.3 | 1,194.3 | 1,194.3 | 1,194.3 | 1,194.3 |
| 6. | Industrial | INDR | 4,143.8 | 3,517.5 | 3,517.5 | 3,517.5 | 3,517.5 | 3,517.5 |
| 7. | Public Authority | OPUA | 2,557.8 | 2,048.4 | 2,048.4 | 2,048.4 | 2,048.4 | 2,048.4 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 771.0 | 2,643.4 | 2,643.4 | 2,643.4 | 2,643.4 | 2,643.4 |
| 12. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. | TOTAL | | 317.6 | 297.2 | 298.1 | 299.1 | 300.0 | 301.2 |
| References: Line 17 is total consumption TBL 3.11 divided by average customers TBL 3.45 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
CALCULATION OF PERCENT CHANGE IN ANNUAL CONSUMPTION PER CUSTOMER

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|--|-----------------------------|-------|----------------|--------|---------|--------|-------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | -23.5% | -6.4% | 7.2% | 6.0% | 5.0% | 0.0% | |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | -29.8% | 0.8% | 8.4% | 0.8% | 5.5% | 0.0% | |
| 6. | Industrial | INDR | N/A | -11.1% | -4.8% | -2.8% | -8.9% | 6.9% | 0.0% | |
| 7. | Public Authority | OPUA | N/A | -35.0% | 5.1% | -1.6% | 7.9% | -8.9% | 0.0% | |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | -86.5% | 1281.0% | -18.8% | -3.3% | 33.0% | 0.0% | |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | -23.8% | -3.9% | 6.2% | 4.1% | 4.5% | 0.3% | |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|-------------|-------------|-------------|-------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 4,580,215 | 3,512,280 | 3,286,820 | 3,518,081 | 3,724,419 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,460,174 | 1,090,368 | 1,091,953 | 1,211,573 | 1,260,261 |
| 6. | Industrial | INDR | 728,175 | 643,671 | 616,465 | 617,264 | 575,710 |
| 7. | Public Authority | OPUA | 579,662 | 391,058 | 411,183 | 398,267 | 427,334 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 10,869 | 1,283 | 12,657 | 6,168 | 3,975 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 7,359,095.5 | 5,638,659.3 | 5,419,078.7 | 5,751,354.3 | 5,991,699.2 |

References: Line 17 is sum of lines 2 thru 16

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
AUTHORIZED AND PROPOSED

Filing: **Final**

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 | Escalation Year 2023 |
|---|-----------------------------|-------|---------------------------|----------------|----------------|-------------------------|----------------------|----------------------|
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 4,214,243 | 3,915,774 | 3,916,992 | 3,918,211 | 3,919,430 | 3,920,446 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMIM | 1,340,865 | 1,343,595 | 1,363,898 | 1,384,201 | 1,404,504 | 1,424,808 |
| 6. | Industrial | INDR | 679,583 | 619,076 | 629,628 | 636,663 | 643,698 | 654,251 |
| 7. | Public Authority | OPUA | 496,213 | 389,190 | 387,141 | 387,141 | 385,093 | 385,093 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 3,855 | 2,643 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RPPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMIF | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 6,734,759 | 6,270,278 | 6,297,659 | 6,326,216 | 6,352,725 | 6,384,598 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)

CALCULATION OF PERCENT CHANGE IN TOTAL ANNUAL CONSUMPTION

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|-----------------------------|-------|----------------|--------|--------|--------|--------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | -23.3% | -6.4% | 7.0% | 5.9% | 5.1% | 0.0% | |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | -25.3% | 0.1% | 11.0% | 4.0% | 6.6% | 1.5% | |
| 6. | Industrial | INDR | N/A | -11.6% | -4.2% | 0.1% | -6.7% | 7.5% | 1.1% | |
| 7. | Public Authority | OPUA | N/A | -32.5% | 5.1% | -3.1% | 7.3% | -8.9% | 0.0% | |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | -88.2% | 886.6% | -51.3% | -35.6% | -33.5% | N/A | |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | Sub-Total | | N/A | -23.4% | -3.9% | 6.1% | 4.2% | 4.6% | 0.5% | |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing theaverage # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
WATER PRODUCTION (KCCF)
RECORDED

Filing: Final

| Line No. | Description | RECORDED YEARS | | | | |
|--|--------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Sales | 7,359.1 | 5,638.7 | 5,419.1 | 5,751.4 | 5,991.7 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 7,359.1 | 5,638.7 | 5,419.1 | 5,751.4 | 5,991.7 |
| 4. | Non Revenue | 62.6 | 466.9 | 414.6 | 602.2 | 425.4 |
| 5. | Total Water Requirement | 7,421.7 | 6,105.5 | 5,833.7 | 6,353.5 | 6,417.1 |
| 6. | Non Revenue Water % | 0.8% | 7.6% | 7.1% | 9.5% | 6.6% |
| 7. | Equivalent Acre Feet | 17,037.8 | 14,016.4 | 13,392.4 | 14,585.6 | 14,731.6 |
| 8. | Total Water Requirement in CCF | 7,421,687 | 6,105,529 | 5,833,711 | 6,353,509 | 6,417,106 |
| References: Line 1 Metered sales per Table 3.10 | | | | | | |
| Other Consumption per [insert text if applicable] | | | | | | |
| Line 3 is sum of lines 2 and 3. | | | | | | |
| Line 4 is line 5 less line 3 | | | | | | |
| Line 5 is per MDR IIE.2 | | | | | | |
| Line 6 is line 4 divided by line 5. | | | | | | |
| Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. | | | | | | |
| Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
WATER PRODUCTION (KCCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|--|--------------------------------|---------------------------|-----------|-----------|--------------------|-----------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | |
| 1. | Metered Sales | 6,734.8 | 6,270.3 | 6,297.7 | 6,326.2 | 6,352.7 | |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 3. | Total Consumption | 6,734.8 | 6,270.3 | 6,297.7 | 6,326.2 | 6,352.7 | |
| 4. | Non Revenue | 283.9 | 394.3 | 394.3 | 394.3 | 394.3 | |
| 5. | Total Water Requirement | 7,018.7 | 6,664.6 | 6,692.0 | 6,720.5 | 6,747.1 | |
| 6. | Non Revenue Water % | 4.0% | 5.9% | 5.9% | 5.9% | 5.8% | |
| 7. | Equivalent Acre Feet | 16,112.7 | 15,299.8 | 15,362.7 | 15,428.3 | 15,489.1 | |
| 8. | Total Water Requirement in CCF | 7,018,700 | 6,664,609 | 6,691,990 | 6,720,547 | 6,747,056 | |
| References: Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert to CCF. | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
WATER PRODUCTION (KCCF)

Filing: **Final**

CALCULATION OF PERCENT CHANGE IN WATER PRODUCTION

| Line No. | Description | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|--------------------------------|----------------|--------|--------|-------|--------|---------------------------|--------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Sales | N/A | -23.4% | -3.9% | 6.1% | 4.2% | -6.9% | 0.5% |
| 2. | Other Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Total Consumption | N/A | -23.4% | -3.9% | 6.1% | 4.2% | -6.9% | 0.5% |
| 4. | Non Revenue | N/A | 645.9% | -11.2% | 45.2% | -29.4% | 38.9% | 0.0% |
| 5. | Total Water Requirement | N/A | -17.7% | -4.5% | 8.9% | 1.0% | -5.0% | 0.4% |
| 6. | Non Revenue Water % | N/A | 806.7% | -7.1% | 33.3% | -30.1% | 46.3% | -0.4% |
| 7. | Equivalent Acre Feet | N/A | -17.7% | -4.5% | 8.9% | 1.0% | -5.0% | 0.4% |
| 8. | Total Water Requirement in CCF | N/A | -17.7% | -4.5% | 8.9% | 1.0% | -5.0% | 0.4% |
| References: Recorded year % calculated by dividing current year data by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr data point by last authorized level and subtracting 1. Proposed test year % calculated by dividing the test year data point by the prior year estimated level and subtracting 1. | | | | | | | | |

California American Water
Ventura County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|--------------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | \$23,327,457 | \$27,504,644 | \$4,177,187 | 17.91% |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 8,100,819 | 9,383,457 | 1,282,638 | 15.83% |
| 6. | Industrial | INDR | 3,594,015 | 3,996,714 | 402,699 | 11.20% |
| 7. | Public Authority | OPUA | 2,259,829 | 2,610,259 | 350,430 | 15.51% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 0 | 0 | 0 | 0.00% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 4,242 | 10,264 | 6,022 | 141.96% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 1,721 | 2,004 | 283 | 16.44% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 261,848 | 234,234 | (27,614) | -10.55% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 37,549,931 | 43,741,576 | 6,191,645 | 16.49% |

California American Water
Ventura County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| Non-Metered Customers | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 37,549,931 | 43,741,576 | 6,191,645 | 16.49% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 14,767 | 14,767 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 32. | Misc Service Revenues | MISC | 106,090 | 106,090 | 0 | 0.00% |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 34. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 37. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 120,856 | 120,856 | 0 | 0.00% |

California American Water
Ventura County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|----------------|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0.00% |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$37,670,787 | \$43,862,432 | \$6,191,645 | 16.44% |
| 49. | Revenues per Avg Customer | | \$1,781 | \$2,074 | \$293 | 16.44% |

California American Water
Ventura County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|-----------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | 27,511,350 | 27,371,572 | (139,778) | -0.51% |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 9,499,464 | 9,450,169 | (49,295) | -0.52% |
| 6. | Industrial | INDR | 4,035,925 | 4,014,037 | (21,888) | -0.54% |
| 7. | Public Authority | OPUA | 2,598,738 | 2,585,236 | (13,502) | -0.52% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 0 | 0 | 0 | 0.00% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 10,264 | 10,241 | (23) | -0.22% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 2,755 | 2,741 | (14) | -0.51% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 234,234 | 234,228 | (6) | 0.00% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 43,892,730 | 43,668,224 | (224,506) | |

California American Water
Ventura County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|------------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 20. | Non-Metered Customers | | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 43,892,730 | 43,668,224 | (224,506) | -0.51% |
| 27. | Other Revenues | | | | | |
| 28. | Method 5 Revenues | METH | 14,730 | 14,730 | 0 | 0.00% |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 32. | Misc Service Revenues | MISC | 106,090 | 106,090 | 0 | 0.00% |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 34. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 37. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 120,820 | 120,820 | 0 | 0.00% |

California American Water
Ventura County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|---|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | | | | |
| | | | | | | |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$44,013,550 | \$43,789,044 | (\$224,506) | -0.51% |
| 49. | Revenues per Avg Customer | | \$2,079 | \$2,068 | (\$11) | -0.51% |
| References: Table 3.18 for revenues @ present rates | | | | | | |
| Table 3.21 for revenues @ proposed rates | | | | | | |

California American Water
Ventura County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|-----------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | \$22,292,187 | \$17,711,244 | \$17,529,628 | \$19,804,265 | \$21,383,444 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 7,121,103 | 5,720,514 | 6,079,114 | 6,992,455 | 7,462,594 |
| 6. | Industrial | INDR | 3,404,101 | 3,169,773 | 3,219,181 | 3,367,234 | 3,261,623 |
| 7. | Public Authority | OPUA | 2,756,332 | 2,007,633 | 2,222,811 | 2,261,306 | 2,473,935 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 54,306 | 82,100 | 107,473 | 84,008 | 65,032 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 281,790 | 284,428 | 177,154 | 261,256 | 261,430 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 35,909,820 | 28,975,691 | 29,335,361 | 32,770,523 | 34,908,059 |

California American Water
Ventura County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 35,909,820 | 28,975,691 | 29,335,361 | 32,770,523 | 34,908,059 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 152,450 | 152,450 | 0 | 12,783 | 10,159 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 5,184 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 16,963 | 67,033 | 171,007 | 127,948 | 147,497 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 174,597 | 219,483 | 171,007 | 140,732 | 157,655 |

California American Water
Ventura County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | |
|--|---------------------------|-------|----------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | Subtotal | | | | | |
| 45. | | | | | | |
| 46. | | | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$36,084,417 | \$29,195,175 | \$29,506,368 | \$32,911,255 |
| 49. | Revenues per Avg Customer | | \$1,722 | \$1,385 | \$1,400 | \$1,563 |
| | | | | | | \$1,664 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | |

California American Water
Ventura County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2019 | 2020 | | |
| Metered Water Customers | | | | | | | |
| 1. | Residential | SRES | 23,426,394 | 23,314,478 | 23,320,965 | 23,327,457 | 27,511,350 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 7,359,840 | 7,881,059 | 7,990,939 | 8,100,819 | 9,499,464 |
| 5. | Industrial | INDR | 3,574,388 | 3,499,852 | 3,556,348 | 3,594,015 | 4,035,925 |
| 6. | Public Authority | OPUA | 2,666,227 | 2,270,843 | 2,259,829 | 2,259,829 | 2,598,738 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 10,260 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 30,999 | 17,564 | 4,242 | 4,242 | 10,264 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 430 | 1,076 | 1,721 | 2,755 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 283,575 | 261,848 | 261,848 | 261,848 | 234,234 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 37,351,683 | 37,246,074 | 37,395,247 | 37,549,931 | 43,892,730 |

California American Water
Ventura County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-----------------------|----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2018 | 2019 | | |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 37,351,683 | 37,246,074 | 37,395,247 | 37,549,931 | 43,892,730 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 11,193 | 10,714 | 14,838 | 14,767 | 14,730 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 67,033 | 106,090 | 106,090 | 106,090 | 106,090 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 78,226 | 116,803 | 120,927 | 120,856 | 120,820 |

California American Water

Ventura County District - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$37,429,909 | \$37,362,877 | \$37,516,174 | \$37,670,787 | \$44,013,550 |
| 49. | Revenues per Avg Customer | | \$1,765 | \$1,771 | \$1,776 | \$1,781 | \$2,079 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water

Ventura County District - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|-----------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | |
| 2. | Residential | SRES | N/A | -21% | -1% | 13% | 8% | 9% | 0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -20% | 6% | 15% | 7% | 6% | 1% |
| 6. | Industrial | INDR | N/A | -7% | 2% | 5% | -3% | 7% | 2% |
| 7. | Public Authority | OPUA | N/A | -27% | 11% | 2% | 9% | -8% | 0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | 51% | 31% | -22% | -23% | -73% | -76% |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 150% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 1% | -38% | 47% | 0% | 0% | 0% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -19% | 1% | 12% | 7% | 7% | 0% |

Ventura County District - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|-----------------------|----------------------------|-------|----------------|-------|-------|------|------|---------------------------|--------------------|-----|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| Non-Metered Customers | | | | | | | | | | |
| 20. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Total Water Revenues | | | | | | | | | | |
| 26. | | | N/A | -19% | 1% | 12% | 7% | 7% | 0% | |
| Other Revenues | | | | | | | | | | |
| 27. | Method 5 Revenues | METH | N/A | 0% | -100% | N/A | -21% | 5% | 38% | |
| 28. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 29. | Antenna Leases | ANTL | N/A | -100% | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Misc Service Revenues | MISC | N/A | 295% | 155% | -25% | 15% | -28% | 0% | |
| 32. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 33. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | | | N/A | 26% | -22% | -18% | 12% | -26% | | |
| 38. | Subtotal Other Revenues | | N/A | | | | | | 4% | |

California American Water
Ventura County District - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -19% | 1% | 12% | 7% | 7% | 0% |
| 49. | Revenues per Avg Customer | | N/A | -20% | 1% | 12% | 6% | 6% | 0% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | 22,292,187 | 17,711,244 | 17,529,628 | 19,804,265 | 21,383,444 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 7,121,103 | 5,720,514 | 6,079,114 | 6,992,455 | 7,462,594 |
| 6. | Industrial | INDR | 3,404,101 | 3,169,773 | 3,219,181 | 3,367,234 | 3,261,623 |
| 7. | Public Authority | OPUA | 2,756,332 | 2,007,633 | 2,222,811 | 2,261,306 | 2,473,935 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 54,306 | 82,100 | 107,473 | 84,008 | 65,032 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 281,790 | 284,428 | 177,154 | 261,256 | 261,430 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 35,909,820 | 28,975,691 | 29,335,361 | 32,770,523 | 34,908,059 |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC

Filing: Final

OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| 26. | Total Water Revenues | | 35,909,820 | 28,975,691 | 29,335,361 | 32,770,523 | 34,908,059 |
| | | | | | | | |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 152,450 | 152,450 | 0 | 12,783 | 10,159 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 29. | Antenna Leases | ANTL | 5,184 | 0 | 0 | 0 | 0 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 16,963 | 67,033 | 171,007 | 127,948 | 147,497 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | | | | | | | |
| 38. | Subtotal Other Revenues | | 174,597 | 219,483 | 171,007 | 140,732 | 157,655 |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | |
|--|---------------------------|-------|----------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | |
| 48. | Total Operating Revenues | | \$36,084,417 | \$29,195,175 | \$29,506,368 | \$32,911,255 |
| 49. | Revenues per Avg Customer | | \$1,722 | \$1,385 | \$1,400 | \$1,563 |
| | | | | | \$1,664 | |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Metered Water Customers | | | | | | | |
| 1. | Residential | SRES | 23,426,394 | 23,314,478 | 23,320,965 | 27,504,644 | 27,371,572 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMIM | 7,359,840 | 7,881,059 | 7,990,939 | 9,383,457 | 9,450,169 |
| 5. | Industrial | INDR | 3,574,388 | 3,499,852 | 3,556,348 | 3,996,714 | 4,014,037 |
| 6. | Public Authority | OPUA | 2,666,227 | 2,270,843 | 2,259,829 | 2,610,259 | 2,585,236 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 10,260 | 0 | 0 | 0 | 0 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 30,999 | 17,564 | 4,242 | 10,264 | 10,241 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 430 | 1,076 | 2,004 | 2,741 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 283,575 | 261,848 | 261,848 | 234,234 | 234,228 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 37,351,683 | 37,246,074 | 37,395,247 | 43,741,576 | 43,668,224 |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|----------|------------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|
| | | | | | | | |
| 20. | Non-Metered Customers | | 0 | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 37,351,683 | 37,246,074 | 37,395,247 | 43,741,576 | 43,668,224 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 11,193 | 10,714 | 14,838 | 14,767 | 14,730 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 67,033 | 106,090 | 106,090 | 106,090 | 106,090 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 78,226 | 116,803 | 120,927 | 120,856 | 120,820 |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated 2019 | Estimated 2020 | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|----------------|----------------|--------------------|-----------------|
| | | | | | | | |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | | | | | | | |
| 49. | | | | | | | |
| | Total Operating Revenues | | \$37,429,909 | \$37,362,877 | \$37,516,174 | \$43,862,432 | \$43,789,044 |
| | Revenues per Avg Customer | | \$1,765 | \$1,771 | \$1,776 | \$2,074 | \$2,068 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES
CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: 0

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | |
| 2. | Residential | SRES | N/A | -21% | -1% | 13% | 8% | -15% | 18% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -20% | 6% | 15% | 7% | -17% | 17% |
| 6. | Industrial | INDR | N/A | -7% | 2% | 5% | -3% | -13% | 12% |
| 7. | Public Authority | OPUA | N/A | -27% | 11% | 2% | 9% | -12% | 16% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | 51% | 31% | -22% | -23% | 72% | 142% |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 86% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 1% | -38% | 47% | 0% | 12% | -11% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -19% | 1% | 12% | 7% | -15% | 17% |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES
CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: 0

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|------------------------------|-------|----------------|-------|-------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 20. | Non-Metered Customers | | | | | | | | |
| 21. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -19% | 1% | 12% | 7% | -15% | 17% |
| 27. | Other Revenues | | | | | | | | |
| 28. | Method 5 Revenues | METH | N/A | 0% | -100% | N/A | -21% | -27% | 0% |
| 29. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Antenna Leases | ANTL | N/A | -100% | N/A | N/A | N/A | N/A | N/A |
| 31. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32. | Misc Service Revenues | MISC | N/A | 295% | 155% | -25% | 15% | 0% | 0% |
| 33. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 26% | -22% | -18% | 12% | -3% | 0% |

CALIFORNIA AMERICAN WATER

Ventura County District - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: 0

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year 2018 | Proposed Test Year 2021 |
|---|---------------------------|-------|----------------|------|------|------|------|--------------------------------|-------------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | Subtotal | | | | | | | | |
| 46. | | | | | | | | | |
| 47. | | | | | | | | | |
| 48. | Total Operating Revenues | | | | | | | | |
| 49. | | | | | | | | | |
| | Revenues per Avg Customer | | N/A | -19% | 1% | 12% | 7% | -15% | 17% |
| | | | N/A | -20% | 1% | 12% | 6% | -14% | 17% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | \$1,157 | \$917 | \$907 | \$1,027 | \$1,110 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 7,135 | 5,392 | 5,768 | 6,480 | 6,705 |
| 6. | Industrial | INDR | 20,507 | 19,211 | 19,393 | 19,691 | 18,638 |
| 7. | Public Authority | OPUA | 14,740 | 10,349 | 11,458 | 11,839 | 13,021 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 0 | 0 | 0 | 0 | 0 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 6,788 | 11,729 | 21,495 | 28,003 | 32,516 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 844 | 842 | 526 | 780 | 783 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | \$1,714 | \$1,374 | \$1,392 | \$1,556 | \$1,656 |

CALIFORNIA AMERICAN WATER
Ventura County District - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Present Rate Proposed Test Year | | Proposed Rate Proposed Test Year | |
|--------------------------|-----------------------------|-------|---------------------------|---------|---------------------------------|------|----------------------------------|------|
| | | | 2018 | 2021 | 2021 | 2021 | 2021 | 2021 |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | \$1,207 | \$1,209 | \$1,426 | | | |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | | | |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | | | |
| 4. | Commercial | COMM | 6,834 | 6,989 | 8,096 | | | |
| 5. | Industrial | INDR | 21,795 | 19,856 | 22,081 | | | |
| 6. | Public Authority | OPUA | 13,743 | 11,957 | 13,811 | | | |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | | | |
| 8. | Other | OTHR | 0 | 0 | 0 | | | |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | | | |
| 10. | Construction | CSTR | 6,200 | 0 | 0 | | | |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | | | |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | | | |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | | | |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | | | |
| 15. | Public Fire | PFPS | 815 | 789 | 706 | | | |
| 16. | Hotel | HOTL | 0 | 0 | 0 | | | |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | | | |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | | | |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | | | |
| 20. | Reserved | | | | | | | |
| 21. | Reserved | | | | | | | |
| 22. | Reserved | | | | | | | |
| 23. | TOTAL | | \$1,762 | \$1,775 | \$2,068 | | | |

**CALIFORNIA AMERICAN WATER
VENTURA DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020, and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are submitted as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2016 reflect salary information as of April 2019.

Non-union Employee Salaries

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Union Employee Salaries Inflation

| | 2019 | 2020 | 2021 | 2022 |
|---------|-------------|-------------|-------------|-------------|
| Ventura | N/A | 2.50% | 2.50% | 2.50% |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every effort was made to identify and remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

**CALIFORNIA AMERICAN WATER
VENTURA DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the Ventura District include the following factors and assumptions:

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Operations and Maintenance Expenses

Source of Supply: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Water: Purchased water costs are primarily based on estimated total production, district operations assessments of sources and uses of produced and purchased water, and the current prices and assessments from water provider agencies.
- Advanced Metering Infrastructure: miscellaneous expenses adjusted for AMI related O&M costs in the Ventura District.

Pumping: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Power: Purchased power was calculated based on fiscal 2018 kilowatt usage patterns and kilowatt per water production units at average kilowatt costs calculated from most recent 12 months billing data. This fiscal data was escalated and applied to the estimated water production quantities to derive purchased power estimates for 2019 through 2022. The fiscal year data was obtained from billing data of the power providers for the Ventura District.

Water Treatment: Expenses are forecasted based on the standard methodology outlined above.

Transmission & Distribution: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Costs for maintenance of Reservoirs and Tanks for 2019 through 2022 were forecasted based on scheduled tank painting needs and the associated amortization schedule.
- Costs for Comprehensive Planning Studies and Geographic Information Systems were forecasted based on identified needs
- State Water Resources Control Board drinking water fees were forecasted based on 2018 actual with escalation applied

Customer Accounts: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Adjustment for overflow customer calls to the Customer Service Center.
- Uncollectibles expense forecasted based on 5-year average of the annual uncollectible rate applied to forecasted revenues.

Administrative & General Expenses

**CALIFORNIA AMERICAN WATER
VENTURA DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

- Adjustment for sampling monitoring systems (SAMS) modules.
- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as wells fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

General Office

General Office and Service Company costs are allocated to each district based upon customer count.

Acquisition Premium

Decision 01-09-057 approved the purchase of the water and wastewater assets of Citizens Utilities by American Water and authorized the recovery of the acquisition premium attributable to California American Water. A portion of the amortization of that premium has been allocated to the Ventura District.

Utility Plant Acquisition Adjustment

The revenue requirement related to the Utility Plant Acquisition Adjustment for the Fruitridge, Rio Plaza, Hillview and Bellflower acquisitions is allocated to each district based upon customer count.

Table Overview

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocated General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

**CALIFORNIA AMERICAN WATER
VENTURA DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

Table 4.6a and Table 4.6b show recorded, forecasted, and last authorized Test Year O&M Expenses per customer.

Table 4.5b, Table 4.7, and Table 4.8 show Percent Change of recorded, forecasted, and last authorized Test Year O&M Expenses, A&G expenses, and Payroll expenses.

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
SUMMARY OF TOTAL OPERATING EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Summary Description | Recorded Years | | | |
|----------|---|----------------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 1,909.4 | 1,947.5 | 1,910.9 | 1,882.0 |
| 2. | Purchased Water | 23,403.5 | 20,249.3 | 19,974.9 | 21,802.0 |
| 3. | Purchased Power | 297.4 | 242.7 | 277.8 | 252.1 |
| 4. | Chemicals | (0.0) | 0.0 | 0.3 | (0.2) |
| 5. | Operation Expense | 175.9 | 248.3 | 226.7 | 300.0 |
| 6. | Maintenance (excluding Amort Tank Painting) | 58.0 | 64.0 | 50.3 | 64.9 |
| 7. | Amortization of Tank Painting | 351.2 | 320.4 | 346.8 | 424.8 |
| 8. | Customer Accounting | 198.8 | 202.5 | 201.8 | 210.5 |
| 9. | Uncollectible Expense | 139.9 | 104.7 | 126.5 | 134.8 |
| 10. | Insurance | 278.2 | 389.8 | 266.0 | 509.0 |
| 11. | Pensions and Benefits | 570.3 | 552.2 | 573.9 | 613.6 |
| 12. | Regulatory Expenses | 188.9 | 56.3 | 94.6 | 181.8 |
| 13. | Rents | 388.7 | 405.0 | 441.9 | 398.3 |
| 14. | Other Administrative & General | 816.7 | 811.9 | 785.1 | 859.6 |
| 15. | Service Company Costs | 1,560.9 | 1,576.6 | 1,588.7 | 1,407.4 |
| 16. | Citizens Acquisition Premium | 416.0 | 401.7 | 387.4 | 381.4 |
| 17. | General Office Return on Rate Base | 192.7 | 227.6 | 253.1 | 216.8 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | Total Operating Expenses | 30,946.6 | 27,800.6 | 27,506.7 | 29,638.7 |
| 23. | Operating Expense per customer ² | 1,468.1 | 1,318.3 | 1,305.9 | 1,407.3 |
| | | | | | 30,123.0 |
| | | | | | 1,428.4 |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

Filing: Final

SUMMARY OF TOTAL OPERATING EXPENSES

Note: Expenses Include Allocation of General Office Expenses

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Summary Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|----------|-----------------|---------------------------|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| | | | | | | | | |
| 1. | Labor | 2,041.1 | 2,097.3 | 2,157.7 | 2,220.6 | | 1,757.9 | Exh A Ch4 Tbl 4.2 |
| 2. | Purchased Water | 23,802.1 | 23,891.5 | 23,984.8 | 24,071.4 | | 22,471.3 | Exh A Ch4 Tbl 4.3 |
| 3. | Purchased Power | 275.2 | 280.5 | 286.8 | 294.3 | | 290.2 | Exh A Ch4 Tbl 4.3 |
| 4. | Chemicals | 0.1 | 0.2 | 0.2 | 0.2 | | 0.0 | Exh A Ch4 Tbl 4.3 |
| 5. | Operation Expense | 146.7 | 188.9 | 1,755.8 | 492.7 | | 338.1 | Exh A Ch4 Tbl 4.3 |
| 6. | Maintenance (excluding Amort Tank Painting) | 91.1 | 92.4 | 94.2 | 96.3 | | 116.3 | Exh A Ch4 Tbl 4.4 |
| 7. | Amortization of Tank Painting | 377.2 | 347.8 | 747.0 | 661.4 | | 367.1 | O&M RO |
| 8. | Customer Accounting | 223.8 | 227.1 | 231.3 | 236.5 | | 199.2 | Exh A Ch4 Tbl 4.3 |
| 9. | Uncollectible Expense | 194.5 | 195.3 | 196.1 | 229.2 | | 201.7 | Exh A Ch4 Tbl 4.3 |
| 10. | Insurance | 231.4 | 241.5 | 404.5 | 409.9 | | 295.2 | Exh A Ch4 Tbl 4.5 |
| 11. | Pensions and Benefits | 490.7 | 541.5 | 555.4 | 580.0 | | 452.5 | Exh A Ch4 Tbl 4.5 |
| 12. | Regulatory Expenses | 179.1 | 179.1 | 65.0 | 259.8 | | 125.9 | Exh A Ch4 Tbl 4.5 |
| 13. | Rents | 412.0 | 419.2 | 474.0 | 458.1 | | 410.1 | Exh A Ch4 Tbl 4.5 |
| 14. | Other Administrative & General | 804.1 | 829.4 | 823.8 | 843.8 | | 805.4 | Exh A Ch4 Tbl 4.5 |
| 15. | Service Company Costs | 1,405.8 | 1,423.3 | 1,448.2 | 1,480.9 | | 1,332.3 | Service Co RO |
| 16. | Citizens Acquisition Premium | 460.1 | 462.0 | 463.9 | 466.2 | | 474.8 | WP Citizens Acq |
| 17. | General Office Return on Rate Base | 256.5 | 336.7 | 389.5 | 401.9 | | 275.9 | CH09 RO |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 447.0 | 437.6 | | 0.0 | CH02 RO |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | CH02 RO |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | Total Operating Expenses | 31,391.6 | 31,753.7 | 34,525.1 | 33,640.7 | | 29,913.8 | |
| 23. | Operating Expense per customer ² | 1,487.0 | 1,502.4 | 1,631.6 | 1,587.9 | | 1,410.6 | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
PAYROLL EXPENSES

Filing: Final

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Recorded Years | | | |
|-------------|---|----------------|---------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 |
| | <u>Payroll Expense</u> | | | | |
| 1. | Salaries | 2,343.0 | 2,334.8 | 2,393.0 | 2,388.2 |
| 2. | Overtime | 113.8 | 166.2 | 157.2 | 128.6 |
| 3. | Total Salaries | 2,456.9 | 2,501.0 | 2,550.2 | 2,516.8 |
| 4. | Capitalized Payroll | (547.5) | (553.5) | (639.3) | (634.8) |
| 5. | Total Net Payroll | 1,909.4 | 1,947.5 | 1,910.9 | 1,882.0 |
| 6. | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 116.6 | 118.6 | 121.1 | 119.5 |
| 8. | | | | | |
| 9. | <u>Number of Employees</u> | | | | |
| 10. | | | | | |
| 11. | # of employees per thousand customers | 1.2 | 1.1 | 1.1 | 1.2 |
| 12. | | | | | |
| 13. | Number of employees | 24.4 | 23.7 | 23.6 | 25.6 |
| 14. | | | | | |
| 15. | | | | | |
| 16. | <u>Number of Customers</u> | | | | |
| 17. | | | | | |
| 18. | End of Year Customers (1,000's) | 21.1 | 21.1 | 21.1 | 21.1 |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
PAYROLL EXPENSES

Filing: Final

RECORDED - AUTHORIZED - PROPOSED (\$1,000's) **Note: Payroll and Employees Include Allocation of General Office**

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|---------|---------------------|-----------------|---------------------------|--------------------|
| | | 2019 | 2020 | | 2021 | 2022 | |
| 1. | <u>Payroll Expense</u> | | | | | | |
| 2. | Salaries | 2,603.4 | 2,675.5 | 2,752.9 | 2,833.5 | 2,182.2 | RO Labor |
| 3. | Overtime | 167.9 | 172.6 | 177.6 | 182.8 | 124.7 | RO Labor |
| 4. | Total Salaries | 2,771.4 | 2,848.2 | 2,930.6 | 3,016.3 | 2,306.9 | Ln1 + Ln2 |
| 5. | Capitalized Payroll | (730.2) | (750.9) | (772.9) | (795.8) | (548.9) | RO Labor |
| 6. | Total Net Payroll | 2,041.1 | 2,097.3 | 2,157.7 | 2,220.6 | 1,757.9 | Ln3 + Ln4 |
| 7. | Payroll per thousand customers (in \$000's) | 131.3 | 134.8 | 138.5 | 142.4 | 108.8 | Ln3 / Ln18 |
| 8. | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | |
| 10. | | | | | | | |
| 11. | # of employees per thousand customers | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | Ln13 / Ln18 |
| 12. | | | | | | | |
| 13. | Number of employees | 25.5 | 25.5 | 25.5 | 25.5 | 24.4 | WP O&M-RO |
| 14. | | | | | | | |
| 15. | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | |
| 17. | | | | | | | |
| 18. | End of Year Customers (1,000's) | 21.1 | 21.1 | 21.2 | 21.2 | 21.2 | ExhA Tbl 3.1 / 3.2 |
| 19. | | | | | | | |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
SUMMARY OF OPERATION EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | | |
|----------|---|------------|----------------|----------|----------|----------|----------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| | Operation Expenses (exclude payroll) | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 4.7 | 1.6 | 2.3 | 2.8 | 2.9 |
| 3. | SS Purchased Water | 704 | 23,403.5 | 20,249.3 | 19,974.9 | 21,802.0 | 22,562.0 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 297.4 | 242.7 | 277.8 | 252.1 | 260.6 |
| 8. | WT Operation Labor and Expenses | 742 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 |
| 9. | WT Miscellaneous Expenses | 743 | 63.9 | 81.6 | 78.2 | 82.8 | 71.0 |
| 10. | WT Chemicals and Filtering Materials | 744 | (0.0) | 0.0 | 0.3 | (0.2) | 0.7 |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 | 16.6 |
| 13. | TD Meter Expenses | 754 | 0.0 | 21.6 | 12.0 | 24.5 | (3.3) |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 107.2 | 143.1 | 134.3 | 189.5 | 278.8 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 29.2 | 31.0 | 37.1 | 46.7 | 66.7 |
| 18. | CA Miscellaneous Customer Account | 774 | 169.6 | 171.5 | 164.8 | 163.8 | 155.9 |
| 19. | CA Uncollectible Accounts | 775 | 139.9 | 104.7 | 126.5 | 134.8 | 128.3 |
| 20. | Divisional Allocation | | | | | | |
| 21. | Total Operation Expenses | | 24,215.6 | 21,047.5 | 20,808.0 | 22,699.2 | 23,540.2 |
| 22. | O&M Expense per customer ² | | 1,148.8 | 998.08 | 987.89 | 1,077.83 | 1,116.28 |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
SUMMARY OF OPERATION EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | | Reference |
|----------|---|------------|-----------|----------|---------------------|-----------------|---------------------------|----------|-----------|
| | | | 2019 | 2020 | | | 2021 | 2022 | |
| | Operation Expenses (exclude payroll) | | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 2.9 | 3.0 | 3.0 | 25.3 | 7.9 | 7.9 | O&M RO |
| 3. | SS Purchased Water | 704 | 23,802.1 | 23,891.5 | 23,984.8 | 24,071.4 | 22,471.3 | 22,471.3 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 0.1 | 0.1 | 0.1 | 0.1 | 1.7 | 1.7 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 275.2 | 280.5 | 286.8 | 294.3 | 290.2 | 290.2 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 76.8 | 77.9 | 79.3 | 81.1 | 63.4 | 63.4 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | 0.1 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 3.4 | 3.4 | 3.5 | 3.6 | 0.0 | 0.0 | O&M RO |
| 13. | TD Meter Expenses | 754 | 11.1 | 11.3 | 11.5 | 11.8 | 9.0 | 9.0 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 52.4 | 93.1 | 1,658.3 | 370.8 | 256.0 | 256.0 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 64.1 | 64.9 | 66.2 | 67.7 | 31.9 | 31.9 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 159.7 | 162.1 | 165.1 | 168.7 | 167.3 | 167.3 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 194.5 | 195.3 | 196.1 | 229.2 | 201.7 | 201.7 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | 0.0 | |
| 21. | Total Operation Expenses | | 24,642.4 | 24,783.4 | 26,455.1 | 25,324.2 | 23,500.4 | 23,500.4 | |
| 22. | O&M Expense per customer ² | | 1,167.29 | 1,172.58 | 1,250.20 | 1,195.36 | 1,108.1 | 1,108.1 | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|-------|-------|-------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | Maintenance Expenses | | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 8.7 | (0.0) | 6.5 | (0.4) |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | PP Maintenance of Other Pumping | 733 | 0.0 | 0.0 | 1.5 | 0.7 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 1.6 | 4.2 | (5.0) |
| 15. | TD Maintenance of Transmission and Distr | 761 | 3.0 | 0.0 | 1.1 | 0.0 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 3.8 | 0.6 | 0.6 | 1.2 |
| 18. | TD Maintenance of Meters | 764 | 0.0 | 0.0 | 0.2 | 0.3 |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 393.8 | 382.2 | 383.2 | 492.9 |
| 21. | Total Maintenance Expenses | | 409.2 | 384.4 | 397.2 | 489.6 |
| 22. | O&M Expense per customer ² | | 19.4 | 18.2 | 18.9 | 23.3 |
| | | | | | | 453.7 |
| | | | | | | 459.0 |
| | | | | | | 21.8 |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

Filing: Final

SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 3.0 | 3.0 | 3.1 | 3.2 | 17.2 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 0.9 | 0.9 | 0.9 | 0.9 | 2.0 | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 1.1 | 1.1 | 1.2 | 1.2 | 16.0 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 1.5 | 1.5 | 1.6 | 1.6 | 13.1 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 0.1 | 0.1 | 0.2 | 0.2 | 6.7 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 0.0 | 0.0 | 0.0 | 0.0 | 11.0 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 461.5 | 433.3 | 834.1 | 750.4 | 417.1 | O&M RO |
| 21. | Total Maintenance Expenses | | 468.3 | 440.2 | 841.2 | 757.6 | 483.4 | |
| 22. | O&M Expense per customer ² | | 22.2 | 20.8 | 39.8 | 35.8 | 22.8 | |

CALIFORNIA-AMERICAN WATER COMPANY

Ventura County District - 2019 GRC

SUMMARY OF A&G EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | <u>Administrative & General Expenses</u> | | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | AG Office Supplies and Other Exp | 792 | 44.3 | 38.9 | 43.1 | 40.4 |
| 3. | AG Property Insurance | 793 | 51.5 | 50.4 | 46.3 | 43.5 |
| 4. | AG Injuries and Damages | 794 | 226.7 | 339.4 | 219.6 | 465.5 |
| 5. | AG Employees' Pensions and Benefits | 795 | 570.3 | 552.2 | 573.9 | 613.6 |
| 6. | AG Regulatory Commission Expenses | 797 | 188.9 | 56.3 | 94.6 | 181.8 |
| 7. | AG Outside Services Employed | 798 | 161.0 | 175.6 | 186.4 | 263.8 |
| 8. | AG Miscellaneous General Expenses | 799 | 550.2 | 558.7 | 481.1 | 470.2 |
| 9. | AG Maintenance of General Plant | 805 | 61.1 | 38.7 | 74.6 | 85.3 |
| 10. | AG Rents | 811 | 388.7 | 405.0 | 441.9 | 398.3 |
| 11. | | | | | | |
| 12. | | | | | | |
| 13. | | | | | | |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | | | | | | |
| 17. | | | | | | |
| 18. | | | | | | |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Total Administrative & General Exp | | 2,242.8 | 2,215.2 | 2,161.4 | 2,562.2 |
| 22. | O&M Expense per customer ⁽²⁾ | | 106.4 | 105.0 | 102.6 | 121.7 |
| | | | | | | 102.2 |

CALIFORNIA-AMERICAN WATER COMPANY

Ventura County District - 2019 GRC

SUMMARY OF A&G EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 40.4 | 41.0 | 41.8 | 42.7 | 42.3 | O&M RO |
| 3. | AG Property Insurance | 793 | 74.9 | 82.6 | 242.7 | 244.5 | 49.6 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 156.5 | 158.9 | 161.8 | 165.4 | 245.5 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 490.7 | 541.5 | 555.4 | 580.0 | 452.5 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 179.1 | 179.1 | 65.0 | 259.8 | 125.9 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 207.7 | 210.8 | 229.5 | 230.5 | 177.4 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 483.7 | 504.1 | 477.7 | 494.1 | 552.6 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 72.4 | 73.4 | 74.8 | 76.4 | 33.0 | O&M RO |
| 10. | AG Rents | 811 | 412.0 | 419.2 | 474.0 | 458.1 | 410.1 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 2,117.3 | 2,210.7 | 2,322.6 | 2,551.7 | 2,089.1 | |
| 22. | O&M Expense per customer ² | | 100.3 | 104.6 | 109.8 | 120.4 | 98.5 | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | Recorded Years | | | |
|----------|---|----------------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 |
| 1. | Labor | 1,909.4 | 1,947.5 | 1,910.9 | 1,882.0 |
| 2. | Purchased Water | 23,403.5 | 20,249.3 | 19,974.9 | 21,802.0 |
| 3. | Purchased Power | 297.4 | 242.7 | 277.8 | 252.1 |
| 4. | Chemicals | (0.0) | 0.0 | 0.3 | (0.2) |
| 5. | Operation Expense | 175.9 | 248.3 | 226.7 | 300.0 |
| 6. | Maintenance (excluding Amort Tank Painting) | 58.0 | 64.0 | 50.3 | 64.9 |
| 7. | Amortization of Tank Painting | 351.2 | 320.4 | 346.8 | 424.8 |
| 8. | Customer Accounting | 198.8 | 202.5 | 201.8 | 210.5 |
| 9. | Uncollectible Expense | 139.9 | 104.7 | 126.5 | 134.8 |
| 10. | Insurance | 278.2 | 389.8 | 266.0 | 509.0 |
| 11. | Pensions and Benefits | 570.3 | 552.2 | 573.9 | 613.6 |
| 12. | Regulatory Expenses | 188.9 | 56.3 | 94.6 | 181.8 |
| 13. | Rents | 388.7 | 405.0 | 441.9 | 398.3 |
| 14. | Other Administrative & General | 816.7 | 811.9 | 785.1 | 859.6 |
| 15. | Service Company Costs | 1,560.9 | 1,576.6 | 1,588.7 | 1,407.4 |
| 16. | Citizens Acquisition Premium | 416.0 | 401.7 | 387.4 | 381.4 |
| 17. | General Office Return on Rate Base | 192.7 | 227.6 | 253.1 | 216.8 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Expenses Per Customer | | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|---------|---------|--|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Labor | 90.6 | 92.4 | 90.7 | 89.4 | 88.5 | 82.9 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 1,110.3 | 960.2 | 948.3 | 1,035.2 | 1,069.9 | 1,059.6 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 14.1 | 11.5 | 13.2 | 12.0 | 12.4 | 13.7 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | (0.0) | 0.0 | 0.0 | (0.0) | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 8.3 | 11.8 | 10.8 | 14.2 | 17.4 | 15.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 2.8 | 3.0 | 2.4 | 3.1 | 5.0 | 5.5 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 16.7 | 15.2 | 16.5 | 20.2 | 16.7 | 17.3 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 9.4 | 9.6 | 9.6 | 10.0 | 10.6 | 9.4 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.6 | 5.0 | 6.0 | 6.4 | 6.1 | 9.5 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 13.2 | 18.5 | 12.6 | 24.2 | 12.7 | 13.9 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 27.1 | 26.2 | 27.2 | 29.1 | 24.4 | 21.3 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.0 | 2.7 | 4.5 | 8.6 | 1.7 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 18.4 | 19.2 | 21.0 | 18.9 | 19.9 | 19.3 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 38.7 | 38.5 | 37.3 | 40.8 | 43.5 | 38.0 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 74.0 | 74.8 | 75.4 | 66.8 | 66.3 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 19.7 | 19.0 | 18.4 | 18.1 | 21.7 | 22.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 9.1 | 10.8 | 12.0 | 10.3 | 11.7 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |
| 23. | | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
EXPENSES PER CUSTOMER (Est / Proj Years)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Estimated and Projected Years | | |
|----------|---|-------------------------------|----------|----------|
| | | 2019 | 2020 | 2021 |
| 1. | Labor | 2,041.1 | 2,097.3 | 2,157.7 |
| 2. | Purchased Water | 23,802.1 | 23,891.5 | 23,984.8 |
| 3. | Purchased Power | 275.2 | 280.5 | 286.8 |
| 4. | Chemicals | 0.1 | 0.2 | 0.2 |
| 5. | Operation Expense | 146.7 | 188.9 | 1,755.8 |
| 6. | Maintenance (excluding Amort Tank Painting) | 91.1 | 92.4 | 94.2 |
| 7. | Amortization of Tank Painting | 377.2 | 347.8 | 747.0 |
| 8. | Customer Accounting | 223.8 | 227.1 | 231.3 |
| 9. | Uncollectible Expense | 194.5 | 195.3 | 196.1 |
| 10. | Insurance | 231.4 | 241.5 | 404.5 |
| 11. | Pensions and Benefits | 490.7 | 541.5 | 555.4 |
| 12. | Regulatory Expenses | 179.1 | 179.1 | 65.0 |
| 13. | Rents | 412.0 | 419.2 | 474.0 |
| 14. | Other Administrative & General | 804.1 | 829.4 | 823.8 |
| 15. | Service Company Costs | 1,405.8 | 1,423.3 | 1,448.2 |
| 16. | Citizens Acquisition Premium | 460.1 | 462.0 | 463.9 |
| 17. | General Office Return on Rate Base | 256.5 | 336.7 | 389.5 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 447.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 |
| 20. | | | | |
| 21. | | | | |
| 22. | | | | |
| 23. | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

Filing: Final

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|---------|---------|---------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 96.8 | 99.5 | 102.4 | 105.4 | 82.9 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 1,129.2 | 1,132.9 | 1,138.7 | 1,143.0 | 1,059.6 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 13.1 | 13.3 | 13.6 | 14.0 | 13.7 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 7.0 | 9.0 | 83.4 | 23.4 | 15.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 4.3 | 4.4 | 4.5 | 4.6 | 5.5 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 17.9 | 16.5 | 35.5 | 31.4 | 17.3 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 10.6 | 10.8 | 11.0 | 11.2 | 9.4 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 9.2 | 9.3 | 9.3 | 10.9 | 9.5 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 11.0 | 11.5 | 19.2 | 19.5 | 13.9 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 23.3 | 25.7 | 26.4 | 27.5 | 21.3 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 8.5 | 8.5 | 3.1 | 12.3 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 19.5 | 19.9 | 22.5 | 21.8 | 19.3 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 38.1 | 39.3 | 39.1 | 40.1 | 38.0 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 66.7 | 67.5 | 68.8 | 70.3 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 21.8 | 21.9 | 22.0 | 22.1 | 22.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 12.2 | 16.0 | 18.5 | 19.1 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 21.2 | 20.8 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses 1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|---------|--------|---------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | 2.0% | -1.9% | -1.5% | -0.8% |
| 2. | Purchased Water | N/A | -13.5% | -1.4% | 9.1% | 3.5% |
| 3. | Purchased Power | N/A | -18.4% | 14.5% | -9.2% | 3.3% |
| 4. | Chemicals | N/A | -100.0% | N/A | -195.4% | -394.3% |
| 5. | Operation - Source of Supply (SS) | N/A | 41.1% | -8.7% | 32.3% | 22.0% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | 10.3% | -21.4% | 28.9% | 63.1% |
| 7. | Amortization of Tank Painting | N/A | -8.8% | 8.3% | 22.5% | -16.8% |
| 8. | Customer Accounting | N/A | 1.8% | -0.3% | 4.3% | 5.7% |
| 9. | Uncollectible Expense | N/A | -25.2% | 20.8% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 40.1% | -31.8% | 91.4% | -47.3% |
| 11. | Pensions and Benefits | N/A | -3.2% | 3.9% | 6.9% | -16.0% |
| 12. | Regulatory Expenses | N/A | -70.2% | 68.0% | 92.3% | -80.3% |
| 13. | Rents | N/A | 4.2% | 9.1% | -9.9% | 5.5% |
| 14. | Other Administrative & General | N/A | -0.6% | -3.3% | 9.5% | 6.6% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | -3.4% | -3.6% | -1.5% | 20.2% |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 23. | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|--------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 9.4% | 2.8% | 2.9% | 2.9% | | 22.7% |
| 2. | Purchased Water | 5.5% | 0.4% | 0.4% | 0.4% | | 6.7% |
| 3. | Purchased Power | 5.6% | 1.9% | 2.3% | 2.6% | | -1.2% |
| 4. | Chemicals | -79.0% | 1.5% | 1.8% | 2.2% | | N/A |
| 5. | Operation - Source of Supply (SS) | -59.9% | 28.8% | 829.6% | -71.9% | | 419.3% |
| 6. | Maintenance (excluding Amort Tank Painting) | -13.9% | 1.5% | 1.9% | 2.2% | | -19.0% |
| 7. | Amortization of Tank Painting | 6.8% | -7.8% | 114.8% | -11.5% | | 103.5% |
| 8. | Customer Accounting | 0.6% | 1.5% | 1.9% | 2.2% | | 16.1% |
| 9. | Uncollectible Expense | 51.6% | 0.4% | 0.4% | 16.8% | | -2.7% |
| 10. | Insurance | -13.8% | 4.4% | 67.5% | 1.3% | | 37.0% |
| 11. | Pensions and Benefits | -4.8% | 10.4% | 2.6% | 4.4% | | 22.7% |
| 12. | Regulatory Expenses | 400.4% | 0.0% | -63.7% | 300.0% | | -48.4% |
| 13. | Rents | -2.0% | 1.7% | 13.1% | -3.4% | | 15.6% |
| 14. | Other Administrative & General | -12.2% | 3.1% | -0.7% | 2.4% | | 2.3% |
| 15. | Service Company Costs | 0.6% | 1.2% | 1.7% | 2.3% | | 8.7% |
| 16. | Citizens Acquisition Premium | 0.4% | 0.4% | 0.4% | 0.5% | | -2.3% |
| 17. | General Office Return on Rate Base | 4.3% | 31.3% | 15.7% | 3.2% | | 41.2% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | -2.1% | | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | | N/A |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | | |
| 23. | | | | | | | |

Note: % calculations include allocation of General Office costs

% Change ExA CH4 Tbl 4.7

CALIFORNIA-AMERICAN WATER COMPANY

Ventura County District - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|-------|-------|--------|-------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Payroll Expense</u> | | | | | |
| 2. | Salaries | N/A | -0.4% | 2.5% | -0.2% | -1.5% |
| 3. | Overtime | N/A | 46.0% | -5.4% | -18.2% | 38.1% |
| 4. | Total Salaries | N/A | 1.8% | 2.0% | -1.3% | 0.5% |
| 5. | Capitalized Payroll | N/A | 1.1% | 15.5% | -0.7% | 4.6% |
| 6. | Total Net Payroll | N/A | 2.0% | -1.9% | -1.5% | -0.8% |
| 7. | Payroll per thousand customers (in \$000's) | N/A | 1.8% | 2.1% | -1.3% | 0.4% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | N/A | -3.2% | -0.4% | 8.8% | -1.1% |
| 12. | | | | | | |
| 13. | Number of employees | N/A | -3.1% | -0.5% | 8.8% | -0.9% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | 0.0% | -0.1% | 0.0% | 0.1% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

Filing: Final

PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: % calculations include allocation of General Office costs

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2018 |
| 1. | Salaries | 10.7% | 2.8% | 2.9% | 2.9% | 26.2% |
| 2. | Overtime | -5.5% | 2.8% | 2.9% | 2.9% | 42.4% |
| 3. | Total Salaries | 9.5% | 2.8% | 2.9% | 2.9% | 27.0% |
| 4. | Capitalized Payroll | 9.9% | 2.8% | 2.9% | 3.0% | 40.8% |
| 5. | Total Net Payroll | 9.4% | 2.8% | 2.9% | 2.9% | 22.7% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 9.4% | 2.7% | 2.8% | 2.8% | 27.3% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 0.3% | -0.1% | -0.1% | -0.1% | 4.7% |
| 12. | | | | | | |
| 13. | Number of employees | 0.5% | 0.0% | 0.0% | 0.0% | 4.5% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | 0.1% | 0.1% | 0.1% | 0.1% | -0.2% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY

Ventura County District - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--------------------------------|------------|----------------|-------|-------|-------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 1. | Ad Valorem | 507 | 382.4 | 418.5 | 479.4 | 493.6 |
| 2. | Franchise Taxes | 507 | 0.0 | 0.0 | 3.5 | (0.0) |
| 3. | Payroll Taxes | 507 | 141.5 | 150.7 | 150.2 | 139.6 |
| 4. | Other | 507 | 0.0 | 0.1 | 0.1 | 0.3 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 523.9 | 569.2 | 633.1 | 633.4 |
| 9. | Other Tax Expense per customer | | 24.9 | 26.99 | 30.06 | 30.08 |
| | | | | | | 672.0 |
| | | | | | | 31.86 |

CALIFORNIA-AMERICAN WATER COMPANY

Ventura County District - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--------------------------------|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | Ad Valorem | 507 | 544.5 | 624.3 | 708.5 | 778.3 | 455.8 | OTAX RO |
| 2. | Franchise Taxes | 507 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | OTAX RO |
| 3. | Payroll Taxes | 507 | 147.5 | 150.9 | 154.5 | 158.2 | 143.0 | OTAX RO |
| 4. | Other | 507 | 0.1 | 0.1 | 0.1 | 0.1 | 1.6 | OTAX RO |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | Total Other Taxes | | 692.8 | 776.0 | 863.8 | 937.3 | 600.5 | |
| 9. | Other Tax Expense per customer | | 32.82 | 36.72 | 40.82 | 44.24 | 28.3 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables regarding the calculation of taxes based on income. The tables are presented as follows:

Table 6.1 – Calculation of Income Taxes at Present Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2020, and Attrition Year 2021 at the current or anticipated present rates in effect at the time.

Table 6.2 – Calculation of Income Taxes at Proposed Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2022, and Attrition Year 2023 if the tariff rates proposed by California American Water in this application are approved.

Information About Calculations

The methods used to compute taxable income are as follows:

- 1) Operating Revenues as shown on Chapter 2 – Tables 2.2 and 2.3 of the RO Report.
- 2) Total Operating Expenses and Uncollectibles as shown on Chapter 2- Tables 2.2 and 2.3 of the RO Report.
- 3) Book Depreciation as shown on Chapter 2 – Tables 2.2 and 2.3. California American Water has adopted FAS 109 and defers the difference between depreciation recorded on its books and depreciation used to calculate its taxable income.
- 4) Domestic Production Activity Deduction was calculated based on Internal Revenue Code Section 199 guidelines. Section 199 provides for a tax deduction based on qualified production activity income or wages whichever is less.
- 5) Rate Making Interest Expense was calculated using the Interest Synchronization Method that requires the application of the weighted cost of debt used in the calculation of the Rate of Return shown on Exhibit C to the net rate base shown on Chapter 9- Table 9.2 of the RO Report.
- 6) Taxes Other Than Income Taxes as shown on Exhibit A, Chapter 2, Tables 2.2 and 2.3.

- 7) Deferred Taxes can constitute one or more of the following:
- a. Investment Tax Credits that include the amortization of amounts deferred in previous years in accordance with previous provisions of the Federal Tax Code.
 - b. An adjustment to taxable net income resulting from the write-off of deferred income taxes amounts that resulted from a decrease in prior tax rates from 46% to 35%, known as the reverse South Georgia method. Additional deferred income taxes resulting from the reverse South Georgia method decrease have been grossed-up in accordance with FAS 109.
 - c. Additional deferred taxes resulting from bonus depreciation.

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|-------------------------------------|----------------|----------------|------------------------|------------------------------|----------------|-----------------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 37,362.9 | 37,516.2 | 37,670.8 | 44,013.5 | 43,789.3 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | | | |
| 3. | Operating Exps less uncollectibles | 31,197.0 | 31,558.3 | 34,329.0 | 33,411.5 | 33,572.9 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 194.5 | 195.3 | 196.1 | 229.2 | 229.2 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 2,388.2 | 2,655.9 | 2,924.5 | 3,212.1 | 3,499.8 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 1,322.1 | 1,430.5 | 1,593.1 | 1,738.1 | 1,883.2 | CH09, Tbl 9.2 |
| 8. | General Taxes | 692.8 | 776.0 | 863.8 | 937.3 | 1,030.4 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (7.9) | (8.0) | (8.2) | (8.3) | (8.5) | O&M RO |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | | | |
| 12. | Federal | 35,786.8 | 36,608.0 | 39,898.3 | 39,519.9 | 40,206.9 | Sum(Ln3...Ln10) |
| 13. | State | 35,786.8 | 36,608.0 | 39,898.3 | 39,519.9 | 40,206.9 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|---|----------------|----------------|------------------------|------------------------------|----------------|--|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 1,576.1 | 908.1 | (2,227.5) | 4,493.6 | 3,582.5 | Calculated Ln13 X % N/A |
| 15. | State Income Tax @ (see below) | 139.3 | 80.3 | (196.9) | 397.2 | 316.7 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 139.3 | 80.3 | (196.9) | 397.2 | 316.7 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 1,436.8 | 768.8 | (2,307.8) | 4,146.1 | 3,205.0 | Calculated Ln19 X % WP Amort ITC |
| 20. | Federal Income Tax @ (See below) | 301.7 | 161.5 | (484.6) | 870.7 | 673.0 | |
| 21. | Less: Amort Deferred Federal ITC | (8.6) | (6.5) | (6.5) | (6.5) | (6.5) | |
| 22. | Less: Amort Excess Deferred Taxes | 0.0 | 0.0 | (463.2) | (464.3) | (469.0) | |
| 23. | FEDERAL INCOME TAX | 293.2 | 155.0 | (954.4) | 399.9 | 197.6 | Sum(Ln20...Ln22) |
| 24. | TOTAL TAXES ON INCOME | 432.5 | 235.2 | (1,151.3) | 797.1 | 514.3 | Ln18 + Ln 23 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|----------|-------------------------------------|-----------|-----------------|----------------|----------------|
| | | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 43,862.3 | 43,789.3 | 44,887.9 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | |
| 3. | Operating Exps less uncollectibles | 34,329.0 | 33,411.5 | 33,572.9 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 228.4 | 228.0 | 234.9 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 2,924.5 | 3,212.1 | 3,499.8 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 1,593.1 | 1,738.1 | 1,883.2 | CH09, Tbl 9.2 |
| 8. | General Taxes | 863.8 | 937.3 | 1,030.4 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (8.2) | (8.3) | (8.5) | CH06, Tbl 6.1 |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | |
| 12. | Federal | 39,930.5 | 39,518.7 | 40,212.6 | Sum(Ln3...Ln9) |
| 13. | State | 39,930.5 | 39,518.7 | 40,212.6 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|---|-----------------------------------|-----------|-----------------|----------------|---|
| | | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 3,931.8 | 4,270.6 | 4,675.4 | Calculated Ln13 X % CH06, Tbl 6.1 |
| 15. | State Income Tax @ (see below) | 347.6 | 377.5 | 413.3 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 347.6 | 377.5 | 413.3 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 3,851.5 | 3,923.0 | 4,297.8 | Calculated Ln18 X % CH06, Tbl 6.1 |
| 20. | Federal Income Tax @ (See below) | 808.8 | 823.8 | 902.5 | |
| 21. | Less: Amort Deferred Federal ITC | (6.5) | (6.5) | (6.5) | |
| 22. | Less: Amort Excess Deferred Taxes | (463.2) | (464.3) | (469.0) | |
| 23. | FEDERAL INCOME TAX | 339.1 | 353.1 | 427.1 | Ln19 + Ln 20 |
| 24. | TOTAL TAXES ON INCOME | 686.6 | 730.6 | 840.4 | Ln17 + Ln 21 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are thereofore, calculated at the District / Division level. | | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the Ventura District of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 84,217.1 | 85,274.2 | 93,250.5 | 98,571.4 | 100,409.0 |
| 2. | Gross Additions During Year | 3,189.9 | 8,395.7 | 6,087.8 | 2,011.0 | 5,274.0 |
| 3. | Retirements | 2,132.8 | 419.4 | 766.8 | 173.3 | 472.4 |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | (186.8) |
| 5. | Net Additions | 1,057.1 | 7,976.3 | 5,320.9 | 1,837.6 | 4,614.8 |
| 6. | Construction Work in Progress Beg. Bal. | 2,045.5 | 6,384.1 | 3,983.1 | 2,202.6 | 5,028.9 |
| 7. | Construction Work in Progress End Bal. | 6,384.1 | 3,983.1 | 2,202.6 | 5,028.9 | 3,496.2 |
| 8. | Net Change During Year - CWIP | 4,338.6 | (2,401.0) | (1,780.5) | 2,826.3 | (1,532.7) |
| 9. | Total Beg. Utility Plant and CWIP | 86,262.6 | 91,658.3 | 97,233.6 | 100,774.0 | 105,438.0 |
| 10. | Net Additions - Total | 5,395.8 | 5,575.3 | 3,540.4 | 4,664.0 | 3,082.0 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | 47.72% |
| 12. | Weighted Average Utility Plant | 88,837.4 | 94,318.9 | 98,923.1 | 102,999.6 | 106,908.7 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | | Reference |
|--|---|-----------|-----------|---------------------|-----------|-----------------|---------------------------|------|-------------|
| | | 2019 | 2020 | 2021 | 2022 | | 2018 | 2018 | |
| 1. | Plant in Service Beg. of Year | 105,023.8 | 112,327.7 | 123,899.0 | 129,898.2 | | 101,966.5 | | PLT RO |
| 2. | Gross Additions During Year | 7,592.6 | 12,053.4 | 6,201.5 | 9,910.7 | | 4,203.9 | | PLT RO |
| 3. | Retirements | 288.8 | 482.0 | 202.3 | 202.8 | | 226.3 | | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | | L5-L2+L3 |
| 5. | Net Additions | 7,303.9 | 11,571.3 | 5,999.2 | 9,707.9 | | 3,977.7 | | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 3,496.2 | 3,786.7 | 698.4 | 698.4 | | 3,953.1 | | PLT RO |
| 7. | Construction Work in Progress End Bal. | 3,786.7 | 698.4 | 698.4 | 2,945.0 | | 4,904.1 | | L7+L6 |
| 8. | Net Change During Year - CWIP | 290.5 | (3,088.3) | (0.0) | 2,246.6 | | 951.0 | | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 108,520.0 | 116,114.4 | 124,597.4 | 130,596.6 | | 105,919.6 | | L1+L6 |
| 10. | Net Additions - Total | 7,594.4 | 8,483.0 | 5,999.2 | 11,954.5 | | 4,928.7 | | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | | 41.10% | | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 112,144.0 | 120,162.5 | 127,460.2 | 136,301.3 | | 107,945.2 | | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|-------------------------------|----------------|----------|----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 84,217.1 | 85,274.2 | 93,250.5 | 98,571.4 | 100,409.0 |
| 2. | Gross Additions During Year | 3,189.9 | 8,395.7 | 6,087.8 | 2,011.0 | 5,274.0 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | (186.8) |
| 4. | Less Retirements | 2,132.8 | 419.4 | 766.8 | 173.3 | 472.4 |
| 5. | Plant in Service End. of Year | 85,274.2 | 93,250.5 | 98,571.4 | 100,409.0 | 105,023.8 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | | Projected Test Year | Escalation Year | Last Authorized Test Year | | Reference |
|----------|-------------------------------|-----------|-----------|-----------|---------------------|-----------------|---------------------------|-----------|-----------------|
| | | 2019 | 2020 | 2021 | | | 2018 | 2019 | |
| 1. | Plant in Service Beg. of Year | 105,023.8 | 112,327.7 | 123,899.0 | 123,899.0 | 129,898.2 | 101,966.5 | 101,966.5 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 7,592.6 | 12,053.4 | 6,201.5 | 6,201.5 | 9,910.7 | 4,203.9 | 4,203.9 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 288.8 | 482.0 | 202.3 | 202.3 | 202.8 | 226.3 | 226.3 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 112,327.7 | 123,899.0 | 129,898.2 | 129,898.2 | 139,606.1 | 105,944.1 | 105,944.1 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | | | |
| 7. | | | | | | | | | |
| 8. | | | | | | | | | |
| 9. | | | | | | | | | |
| 10. | | | | | | | | | |
| 11. | | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 88,837.4 | 94,318.9 | 98,923.1 | 102,999.6 | 106,908.7 |
| 2. | Average Customers | 20,957.0 | 21,084.0 | 21,078.0 | 21,063.0 | 21,076.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 4.2 | 4.5 | 4.7 | 4.9 | 5.1 |
| 4. | Change in Weighted Average Utility Plant | N/A | 5,481.4 | 4,604.2 | 4,076.6 | 3,909.1 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 6.17% | 4.88% | 4.12% | 3.80% |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | N/A | 0.0003% | 0.0002% | 0.0002% | 0.0002% |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|-----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 112,144.0 | 120,162.5 | 127,460.2 | 136,301.3 | 107,945.2 | 19,515.0 | EXA Tbl 7.1 |
| 2. | Average Customers | 21,100.0 | 21,124.0 | 21,149.0 | 21,173.0 | 21,204.0 | (55.0) | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 5.3 | 5.7 | 6.0 | 6.4 | 5.1 | (354.8) | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 5,235.3 | 8,018.4 | 7,297.7 | 8,841.1 | N/A | 19,515.0 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 4.90% | 7.15% | 6.07% | 6.94% | N/A | 18.08% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | 0.0002% | 0.0003% | 0.0003% | 0.0003% | N/A | 0.0009% | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the Ventura District of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its Ventura District. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the Ventura District.

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: **Final**

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 33,040.9 | 32,460.4 | 33,245.4 | 33,953.7 | 35,701.9 |
| 2. | Annual Accrual Including CIAC Depreciation | 1,955.1 | 2,114.3 | 2,270.8 | 2,383.3 | 2,483.3 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 2,132.8 | 419.4 | 766.8 | 173.3 | 472.4 |
| 5. | (Salvage) and Cost of Removal | (402.8) | (909.9) | (795.7) | (461.8) | (401.8) |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | (20.4) |
| 7. | | | | | | |
| 8. | Net Accrual | (580.5) | 785.0 | 708.3 | 1,748.2 | 1,588.7 |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.14% |
| 10. | Weighted Average Depreciation | (273.6) | 370.0 | 333.9 | 824.1 | 748.9 |
| 11. | Weighted Average Depreciation Reserve | 32,767.2 | 32,830.5 | 33,579.3 | 34,777.8 | 36,450.8 |
| | (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | | Reference |
|----------|---|-----------|----------|---------------------|-----------------|---------------------------|------|-----------------|
| | | 2019 | 2020 | | | 2018 | 2018 | |
| 1. | Depreciation Reserve Beg. of Year | 37,290.6 | 39,325.9 | 41,320.2 | 43,803.5 | 36,532.8 | | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 2,599.7 | 2,825.2 | 3,039.5 | 3,270.0 | 2,448.7 | | DEPR RO |
| 3. | | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 288.8 | 482.0 | 202.3 | 202.8 | 226.3 | | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | (275.7) | (348.9) | (353.8) | (366.2) | (501.0) | | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | | |
| 8. | Net Accrual | 2,035.3 | 1,994.3 | 2,483.3 | 2,701.0 | 1,721.5 | | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.58% | | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 959.4 | 940.1 | 1,170.7 | 1,273.3 | 819.1 | | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 38,250.1 | 40,266.0 | 42,490.8 | 45,076.8 | 37,351.9 | | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 33,040.9 | 32,460.4 | 33,245.4 | 33,953.7 | 35,701.9 |
| 2. | Annual Accrual Including CIAC Depreciation | 1,955.1 | 2,114.3 | 2,270.8 | 2,383.3 | 2,483.3 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 2,132.8 | 419.4 | 766.8 | 173.3 | 472.4 |
| 4. | (Salvage) and Cost of Removal | (402.8) | (909.9) | (795.7) | (461.8) | (401.8) |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | (20.4) |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 32,460.4 | 33,245.4 | 33,953.7 | 35,701.9 | 37,290.6 |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|----------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 37,290.6 | 39,325.9 | 41,320.2 | 43,803.5 | 36,532.8 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 2,599.7 | 2,825.2 | 3,039.5 | 3,270.0 | 2,448.7 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 288.8 | 482.0 | 202.3 | 202.8 | 226.3 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | (275.7) | (348.9) | (353.8) | (366.2) | (501.0) | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 39,325.9 | 41,320.2 | 43,803.5 | 46,504.5 | 38,254.3 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in property required to provide quality service to customers in its Ventura District. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

Ventura County District - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 88,837.4 | 94,318.9 | 98,923.1 | 102,999.6 | 106,908.7 |
| 2. | Materials and Supplies | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Working Cash, Operational | 2,412.6 | 2,874.6 | 3,182.5 | 3,499.0 | 3,152.7 |
| 4. | Working Cash, Lead Lag | 384.0 | 384.0 | 1,314.2 | 1,401.1 | 1,394.7 |
| 5. | SUBTOTAL | 91,634.0 | 97,577.4 | 103,419.8 | 107,899.7 | 111,456.1 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (32,767.2) | (32,830.5) | (33,579.3) | (34,777.8) | (36,450.8) |
| 9. | Advances for Construction | (5,550.3) | (5,394.6) | (5,161.7) | (4,969.1) | (5,081.7) |
| 10. | Unamortized Advances (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Contributions in Aid of Construction | (13,501.0) | (13,183.9) | (12,888.4) | (12,579.8) | (12,281.3) |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Accumulated Deferred Federal Income Taxes | (2,007.8) | (2,573.6) | (2,936.2) | (3,451.2) | (5,133.7) |
| 14. | Accumulated Deferred State Income Taxes | (556.5) | (858.1) | (1,534.9) | (1,872.1) | (1,833.5) |
| 15. | SUBTOTAL DEDUCTIONS | (54,382.9) | (54,840.7) | (56,100.4) | (57,650.0) | (60,781.0) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 37,251.1 | 42,736.8 | 47,319.4 | 50,249.7 | 50,675.1 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 1,162.2 | 1,333.4 | 1,476.4 | 1,567.8 | 1,271.9 |

Rate Base Calc EXA Tbl 9.1

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Weighted Average Rate Base
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|------------|---------------------|------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2018 | |
| 1. | Weighted Average Utility Plant in Service | 112,144.0 | 120,162.5 | 127,460.2 | 136,301.3 | | 107,945.2 | RB RO |
| 2. | Materials and Supplies | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 3. | Working Cash, Operational | 3,878.3 | 3,367.1 | 4,730.5 | 3,913.1 | | 1,262.5 | RB RO |
| 4. | Working Cash, Lead Lag | 1,254.7 | 1,304.4 | 1,365.8 | 1,467.0 | | 1,394.7 | RB RO |
| 5. | SUBTOTAL | 117,277.0 | 124,834.0 | 133,556.5 | 141,681.4 | | 110,602.5 | Sum (L1:L4) |
| 6. | | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (38,250.1) | (40,266.0) | (42,490.8) | (45,076.8) | | (37,351.9) | RB RO |
| 9. | Advances for Construction | (5,646.9) | (6,008.2) | (5,993.5) | (5,981.1) | | (5,022.3) | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | 0.00 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 11. | Contributions in Aid of Construction | (12,281.3) | (12,205.7) | (11,834.3) | (11,460.6) | | (12,492.5) | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (6,507.4) | (7,318.6) | (7,571.5) | (7,556.5) | | (3,958.2) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (1,918.8) | (2,045.2) | (2,196.6) | (2,357.7) | | (1,539.7) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (64,604.5) | (67,843.8) | (70,086.6) | (72,432.6) | | (60,364.5) | Sum (L7:L14) |
| 16. | | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 52,672.4 | 56,990.2 | 63,469.8 | 69,248.8 | | 50,237.9 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | | 2.51% | RB RO |
| 19. | Rate Making Interest | 1,322.1 | 1,430.5 | 1,593.1 | 1,738.1 | | 1,261.0 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$37,251.1 | \$42,736.8 | \$47,319.4 | \$50,249.7 | \$50,675.1 |
| 2. | Average Customers | 20,957.0 | 21,084.0 | 21,078.0 | 21,063.0 | 21,076.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 1.8 | 2.0 | 2.2 | 2.4 | 2.4 |
| 4. | Change in Weighted Average Rate Base | N/A | 5,485.6 | 4,582.6 | 2,930.4 | 425.4 |
| 5. | Percent of Increase in Weighted Average Rate Base | N/A | 14.73% | 10.72% | 6.19% | 0.85% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | 0.0007% | 0.0005% | 0.0003% | 0.0000% |

CALIFORNIA-AMERICAN WATER COMPANY
Ventura County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|---|------------|------------|------------|---------------------|-----------------|---------------------------|------------------------------|-----------|
| | | 2019 | 2020 | 2021 | | | | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$52,672.4 | \$56,990.2 | \$63,469.8 | \$69,248.8 | \$50,237.9 | \$13,231.9 | RB RO | |
| 2. | Average Customers | 21,100.0 | 21,124.0 | 21,149.0 | 21,173.0 | 21,204.0 | (55.0) | ExAch3 TBL3.4,3.5 | |
| 3. | Weighted Average Rate Base Per Avg. Customer | 2.5 | 2.7 | 3.0 | 3.3 | 2.36926698 | (240.6) | L1/L2 | |
| 4. | Change in Weighted Average Rate Base | 1,997.3 | 4,317.7 | 6,479.7 | 5,779.0 | N/A | 13,231.9 | Calculated | |
| 5. | Percent of Increase in Weighted Average Rate Base | 3.94% | 8.20% | 11.37% | 9.11% | N/A | 26.34% | Calculated | |
| 6. | Percent of Incr. in Wgtd Avg Rate Base Per Customer | 0.0002% | 0.0004% | 0.0005% | 0.0004% | N/A | 0.0012% | L2/L5 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Tables in this chapter contain information regarding an analysis of billing information by customer class for the Ventura District. The analysis prices the average level of consumption using current tariff rates and rates proposed by California American Water for customers in its Ventura District in this application. The information is presented as follows:

Table 10.1 - These tables contain a comparison of bills at the average level of consumption at both present rates and rates California American Water proposes to become effective January 1, 2021 for customers in its Ventura Districts.

Table 10.2 - This table contains information about tariff rates currently in effect for customers of the Ventura District of California American Water.

Table 10.3 - This table contains information about tariff rates California American Water proposes be placed into effect on January 1, 2021 for customers of its Ventura District.

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Ventura Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 126.63 | | |
| Customer Class | Residential | | |

| Ventura Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 126.63 | | |
| Customer Class | Residential | | |

| Ventura Current | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$8.73 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 90.00 | \$0.5269 | \$47.42 |
| Tier 3 | 36.63 | \$0.6755 | \$24.74 |
| Tier 4 | 0.00 | \$0.8985 | \$0.00 |
| Tier 4 | 0.00 | \$1.3241 | \$0.00 |
| Total Usage Charge (100 Gal) | 126.63 | | \$72.17 |
| Subtotal Base Bill | | | \$80.90 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 126.63 | \$0.0129 | \$1.64 |
| CEBA | 126.63 | \$0.0129 | \$1.63 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 126.63 | \$0.0709 | \$8.98 |
| Purchased Water | 126.63 | \$0.0363 | \$4.59 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$18.65 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.20 |
| License Tax | | 2.00% | \$1.96 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$3.16 |
| Total Bill | | | \$102.71 |

| Ventura Proposed | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$21.12 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 96.40 | \$0.6252 | \$60.27 |
| Tier 3 | 30.23 | \$0.7355 | \$22.23 |
| Tier 4 | 0.00 | \$1.1768 | \$0.00 |
| Tier 4 | 0.00 | \$1.4556 | \$0.00 |
| Total Usage Charge (100 Gal) | 126.63 | | \$82.50 |
| Subtotal Base Bill | | | \$103.62 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 126.63 | \$0.0062 | \$0.79 |
| CEBA | 126.63 | \$0.0055 | \$0.70 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 126.63 | \$0.0709 | \$8.98 |
| Purchased Water | 126.63 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | \$12.57 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$1.42 |
| License Tax | | 2.00% | \$2.31 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$3.73 |
| Total Bill | | | \$119.92 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Ventura Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 744.45 | | |
| Customer Class | Commercial | | |

| Ventura Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 744.45 | | |
| Customer Class | Commercial | | |

| Ventura Current | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 2" | | \$69.84 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 744.45 | \$0.6755 | \$502.91 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 744.45 | | \$502.91 |
| Subtotal Base Bill | | | |
| | | | \$572.75 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 744.45 | \$0.0129 | \$9.63 |
| CEBA | 744.45 | \$0.0129 | \$9.60 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 744.45 | \$0.0709 | \$52.78 |
| Purchased Water | 744.45 | \$0.0363 | \$26.99 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$100.81 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$8.17 |
| License Tax | | 2.00% | \$13.28 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$21.45 |
| Total Bill | | | |
| | | | \$695.01 |

| Ventura Proposed | | | |
|----------------------------------|-----------|-----------------|-----------------|
| Water Service Charge | 2" | | \$168.95 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 744.45 | \$0.7355 | \$547.55 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 744.45 | | \$547.55 |
| Subtotal Base Bill | | | |
| | | | \$716.50 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 744.45 | \$0.0062 | \$4.64 |
| CEBA | 744.45 | \$0.0055 | \$4.12 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 744.45 | \$0.0709 | \$52.78 |
| Purchased Water | 744.45 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$63.65 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$9.54 |
| License Tax | | 2.00% | \$15.51 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$25.05 |
| Total Bill | | | |
| | | | \$805.20 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Ventura Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 2,192.56 | | |
| Customer Class | Industrial | | |

| Ventura Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 2,192.56 | | |
| Customer Class | Industrial | | |

| Ventura Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$69.84 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 2192.56 | \$0.6755 | \$1,481.18 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 2192.56 | | \$1,481.18 |
| Subtotal Base Bill | | | |
| | | | \$1,551.02 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 2192.56 | \$0.0129 | \$28.36 |
| CEBA | 2192.56 | \$0.0129 | \$28.28 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 2192.56 | \$0.0709 | \$155.45 |
| Purchased Water | 2192.56 | \$0.0363 | \$79.49 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$293.40 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$22.34 |
| License Tax | | 2.00% | \$36.32 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$58.66 |
| Total Bill | | | |
| | | | \$1,903.08 |

| Ventura Proposed | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$168.95 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 2192.56 | \$0.7355 | \$1,612.65 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 2192.56 | | \$1,612.65 |
| Subtotal Base Bill | | | |
| | | | \$1,781.59 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 2192.56 | \$0.0062 | \$13.68 |
| CEBA | 2192.56 | \$0.0055 | \$12.14 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 2192.56 | \$0.0709 | \$155.45 |
| Purchased Water | 2192.56 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$183.37 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$24.00 |
| License Tax | | 2.00% | \$39.03 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$63.03 |
| Total Bill | | | |
| | | | \$2,027.99 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Ventura Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 1,276.82 | | |
| Customer Class | Public Authority | | |

| Ventura Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | Ventura | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 1,276.82 | | |
| Customer Class | Public Authority | | |

| Ventura Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$69.84 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1276.82 | \$0.6755 | \$862.55 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1276.82 | | \$862.55 |
| Subtotal Base Bill | | | |
| | | | \$932.39 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1276.82 | \$0.0129 | \$16.51 |
| CEBA | 1276.82 | \$0.0129 | \$16.47 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 1276.82 | \$0.0709 | \$90.53 |
| Purchased Water | 1276.82 | \$0.0363 | \$46.29 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$171.61 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$13.38 |
| License Tax | | 2.00% | \$21.75 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$35.13 |
| Total Bill | | | |
| | | | \$1,139.13 |

| Ventura Proposed | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$168.95 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1276.82 | \$0.7355 | \$939.11 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1276.82 | | \$939.11 |
| Subtotal Base Bill | | | |
| | | | \$1,108.06 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1276.82 | \$0.0062 | \$7.97 |
| CEBA | 1276.82 | \$0.0055 | \$7.07 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 1276.82 | \$0.0709 | \$90.53 |
| Purchased Water | 1276.82 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$107.66 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$14.86 |
| License Tax | | 2.00% | \$24.16 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$39.01 |
| Total Bill | | | |
| | | | \$1,254.73 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| Ventura Construction Current | | | | |
|--|--------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Ventura | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 3" | | | |
| Estimated consumption (CGL's) | 1,647.73 | | | |
| Customer Class | Construction | | | |

| Ventura Construction Proposed | | | | |
|--|--------------|--|--|--|
| # Days in Billing period: | 30 | | | |
| Locality | Ventura | | | |
| Low Income Ratepayer Assistance (LIRA) | No | | | |
| Meter Size | 3" | | | |
| Estimated consumption (CGL's) | 1,647.73 | | | |
| Customer Class | Construction | | | |

| Ventura Construction Current | | | | |
|------------------------------|-----------|-----------------|------------|------------|
| Water Service Charge | 3" | | | \$130.95 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 1647.73 | \$0.6323 | \$1,041.86 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 0.00 | | \$0.00 | |
| | 1647.73 | | \$1,041.86 | |
| Subtotal Base Bill | | | | \$1,172.81 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1647.73 | \$0.0129 | \$21.31 | |
| CEBA | 1647.73 | \$0.0129 | \$21.26 | |
| LIRA | Flat | \$1.81 | \$1.81 | |
| WRAM/MCBA | 1647.73 | \$0.0709 | \$116.82 | |
| Purchased Water | 1647.73 | \$0.0363 | \$59.74 | |
| High Cost Fund | Flat | \$0.0000 | \$0.00 | |
| Subtotal Surcharges | | | | \$220.94 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$16.88 | |
| License Tax | | 2.00% | \$27.45 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$44.33 |
| Total Bill | | | | \$1,438.08 |

| Ventura Construction Proposed | | | | |
|-------------------------------|-----------|-----------------|------------|------------|
| Water Service Charge | 3" | | | \$316.78 |
| Water Usage Charge: | | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge | |
| Tier 2 | 1647.73 | \$0.7355 | \$1,211.92 | |
| Tier 3 | 0.00 | | \$0.00 | |
| Tier 4 | 0.00 | | \$0.00 | |
| Total Usage Charge (100 Gal) | 0.00 | | \$0.00 | |
| | 1647.73 | | \$1,211.92 | |
| Subtotal Base Bill | | | | \$1,528.70 |
| Surcharges: | Units | Rates | Surcharge | |
| Conservation | 1647.73 | \$0.0062 | \$10.28 | |
| CEBA | 1647.73 | \$0.0055 | \$9.12 | |
| LIRA | Flat | \$1.81 | \$1.8100 | |
| WRAM/MCBA | 1647.73 | \$0.0709 | \$116.82 | |
| Purchased Water | 1647.73 | \$0.0000 | \$0.00 | |
| High Cost Fund | Flat | \$0.2939 | \$0.29 | |
| Subtotal Surcharges | | | | \$138.33 |
| Taxes and Fees: | | Rates | Charge | |
| Commission Surcharge | | 1.23% | \$20.38 | |
| License Tax | | 2.00% | \$33.13 | |
| Franchise Fee | | 0.00% | \$0.00 | |
| Subtotal Taxes & Fees | | | | \$53.51 |
| Total Bill | | | | \$1,720.54 |

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

| CHAPTER | TABLE | EXHIBIT DESCRIPTION |
|-----------|----------------------|--|
| Chapter 1 | | INTRODUCTION AND SUMMARY OF APPLICATION |
| | Chapter Introduction | Discusses Historical And Present Operations And Primary Causes For Proposed Rate Increases |
| | | |
| | | |
| Chapter 2 | | HISTORICAL AND PROJECTED SUMMARY OF EARNINGS |
| | Chapter Introduction | Discusses Summary Of Earnings Details |
| | Table 2.1 | Comparative Summary of Earnings for Test Year at Present and Proposed Rates |
| | Table 2.2 | Summary of Earnings At Proposed Rates |
| | Table 2.3 | Summary of Earnings at Present Rates |
| | Table 2.4 | Summary of Revenue Requirement Calculation |
| | | |
| | | |
| Chapter 3 | | OPERATING REVENUES |
| | Chapter Introduction | Discusses Calculation Of Operating Revenues |
| | Table 3.1 | Customers at Year End - Recorded |
| | Table 3.2 | Customers at Year End - Authorized - Proposed |
| | Table 3.3 | Calculation of the Percent of Increase in Customers at Year End - Authorized - Recorded - Proposed |
| | Table 3.4 | Average Number of Customers - Recorded |
| | Table 3.5 | Average Number of Customers - Authorized - Proposed |
| | Table 3.6 | Calculation of the Percent of Increase in Average Number of Customers - Auth - Rec - Prop |
| | Table 3.7 | Ave Annual Cons Per Cust - Recorded |
| | Table 3.8 | Ave Annual Cons Per Cust - Authorized - Proposed |
| | Table 3.9 | Calculation of the Percent of Increase in Ave Annual Cons Per Cust - Auth - Rec - Prop |
| | Table 3.10 | Annual Consumption (ccf) - Recorded |
| | Table 3.11 | Annual Consumption (ccf) - Authorized - Proposed |
| | Table 3.12 | Calculation of the Percent of Increase in Annual Consumption - Auth - Rec - Propo |
| | Table 3.13 | Water Production (Kccf) - Recorded |
| | Table 3.14 | Water Production (Kccf) - Authorized - Proposed |
| | Table 3.15 | Calculation of Percent of Increase in Water Production - Auth - Rec - Prop |
| | Table 3.16 | Comparison of Revenue By Customer Class at Present and Proposed Rates |
| | Table 3.17 | Operating Revenues at Present Rate - Recorded |
| | Table 3.18 | Operating Revenues at Present Rate - Authorized - Proposed |
| | Table 3.19 | Calculation of Percent of Increase in Operating Revenue at Present Rates - Auth - Rec - Prop |
| | Table 3.20 | Operating Revenues at Proposed Rate - Recorded |
| | Table 3.21 | Operating Revenues at Proposed Rate - Authorized - Proposed |
| | Table 3.22 | Calculation of Percent of Increase in Operating Revenue at Proposed Rates - Auth - Rec - Prop |
| | Table 3.23 | Operating Revenues Per Customer - Recorded |
| | Table 3.24 | Operating Revenues Per Customer - Authorized - Proposed |
| | | |
| | | |
| Chapter 4 | | OPERATING EXPENSES |
| | Chapter Introduction | Discusses Summary Of Operating Expense Information |
| | Table 4.1 | Summary of Total Operating Expenses - Recorded-Authorized-Proposed |
| | Table 4.2 | Payroll Expense |
| | Table 4.3 | Summary of Operation Expenses - Recorded-Authorized-Proposed |
| | Table 4.4 | Summary of Maintenance Expenses - Recorded-Authorized-Proposed |
| | Table 4.5 | Summary of A&G Expenses - Recorded-Authorized-Proposed |
| | Table 4.6a | Expenses Per Customer-Recorded Years |
| | Table 4.6b | Expenses Per Customer-Projected Years |
| | Table 4.7 | Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | Table 4.8 | Payroll Expense Percent Change from Prior Year in %-Recorded-Authorized-Proposed |
| | | |

SAN DIEGO COUNTY STAND ALONE

[illegible]

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This section contains information regarding the corporate and operating history of the San Diego District of California American Water. This information will enable the CPUC and parties reviewing the GRC application to understand the development of the district, the unique nature of the service territory and other issues faced by the district throughout its history that have shaped the present operation.

SAN DIEGO DISTRICT

OVERVIEW OF OPERATION

This section discusses the present day-to-day operation of the San Diego District of California American Water. Also discussed are issues that are being addressed by the district in order to continue to provide quality service to the customers it serves. This information will assist the CPUC and parties reviewing the GRC application in understanding issues faced by the district on a daily basis as they consider whether the revenue requirements proposed by California American Water for 2018, 2019 and 2020 are adequate to continue to address daily service issues.

OPERATIONAL HISTORY

The San Diego District of California American Water was incorporated on July 14, 1886 as the Coronado Water Company ("Company"). The principal purpose in forming the Company was to supply water to the owners, inhabitants and the public on land that is known today as the City of Coronado.

In 1886, water was delivered to San Diego by way of an 8" trans-bay pipeline that extended from San Diego to Coronado. In 1889, the Company developed its own source of supply (wells) in the lower end of Otay Valley. That area is now known as South San Diego. Water from those wells was transported into San Diego through what is now known as Imperial Beach along a narrow sliver of land called the Silver Strand.

That well field was the sole source of supply to San Diego until 1908 when the Southern California Mountain Water Company ("Mountain") began supplying water to San Diego from the Lower Otay Reservoir located in the eastern foothills. Mountain was a water supplier to the City of San Diego and the stockholders and officers were fairly identical to those of the Company. Water from the Otay Reservoir flowed into the transmission system of the Coronado Water Company through Mountain's newly constructed Otay-Coronado pipeline. The Otay wells were closed in 1908 and used only as an emergency backup until 1916.

By 1912, the City of San Diego was actively seeking the purchase of all the reservoirs and transmission facilities for Mountain. One of those reservoirs, called the Lower Otay Reservoir was the major source of water supply for the Company. During the early part of 1912 the Company and Mountain entered into an agreement which obligated Mountain to sell as much water to the Company as was needed to provide service to its customers. During the later part of 1912, the City of San Diego purchased the holdings of Mountain and accepted the obligation to provide water to the Company under the terms of the agreement.

In 1916, a catastrophic flood destroyed the Lower Otay Dam. The resulting floodwaters rendered the Otay Well useless and the Company lost a source of water for emergency use. To secure a reliable source of water, one of the former wells was rehabilitated and the 8" trans-bay pipeline was placed back into service. As a result of this action, some four months after the flood, a reliable source of water to meet the demands of the customers of the Company was in place.

To further improve the source of reliable water supply, another well was rehabilitated. However, by 1921 the wells were shut down because of poor water quality and a reduced water table. More wells were eventually placed into service during the 1940's and 1950's, but were abandoned by 1973 as a result of poor water quality.

In 1936, the Company was sold to California Water and Telephone. The basic 1912 contract between the Company and Mountain regarding water supplies was adjusted on numerous occasions until 1960. At that time, the California Water and Telephone Company entered into a more comprehensive agreement with the City of San Diego. That agreement was also subsequently amended on nine occasions. In 1966, California Water and Telephone sold the assets it purchased from the Company to American Water Works Company, Inc. ("American Water"). The San Diego service area then became part of a wholly-owned subsidiary of American Water, the California American Water Company.

Currently, all of the water required to meet the demands of the customers of the San Diego District of California American Water is purchased from the City of San Diego. That water is delivered at four separate locations. The former 8" trans-bay pipeline was used until 1969 when it was replaced with a new 24" pipeline required to meet the growing water demands of the service area.

PRESENT OPERATIONS OF THE SAN DIEGO DISTRICT

Service Areas

The District serves the Cities of Coronado and Imperial Beach, a portion of the City of San Diego that lies south of San Diego Bay and a small area of South Chula Vista that is located in the County of San Diego. The map of the service area and system schematic are provided in the Master Data Request filed as part of this application.

Source of Water Supply

All water supplied to customers of the San Diego District is purchased from the City of San Diego. By contract agreement, California American Water has the right to purchase from the City of San Diego, all of the potable water required to meet the needs of those customers. Water supply obligations documented in the original contract between the Coronado Water Company and Southern California Mountain Water Company were assumed by the City of San Diego when it purchased virtually all of the assets of Southern California Mountain Water Company during the latter portion of 1912.

The original agreement was amended in 1960 after the California Water and Telephone Company purchased the Coronado Water Company. California Water and Telephone Company and the City of San Diego entered into a new agreement that was approved by the CPUC in Decision No. 61519 dated February 14, 1961 (A-42610). That agreement was subsequently amended by the parties on August 16, 1966; December 29 1970; May 30, 1972; June 2, 1976; January 5 1981; January 17, 1989; March 18, 1995, December 23, 1998. A new agreement between the City of San Diego and The California American Water Company was signed on May 11, 2004. That agreement was amended on September 10, 2004.

California American Water also has entered into three (3) agreements with the following systems regarding water supplies for its San Diego (Coronado) District under emergency conditions:

Otay Water District

Under the terms of the agreement dated June 10, 1983 and modified on December 30, 2008. In the event of an emergency, as described in Section 1(a), and when requested by either Otay or CAW pursuant to the terms of this Agreement, the supplying party shall supply treated water through its facilities to the interconnection. The requesting party shall use its best efforts to provide at least 24 hours advance written notice to the supplying party of the nature of the emergency and the need for water. The supplying party shall operate the interconnection and use good faith efforts to provide the requesting party with water (if available in accordance with Section 2) within the time frame requested. This agreement is contingent upon the availability of a sufficient surplus of water that is in excess of the amount necessary to meet the demand of the supplying party's system. The cost of the water delivered through the emergency interconnection shall be the supplying party's treated water rate in effect at the time of delivery.

Sweetwater Authority

Under the terms of the agreement dated November 30, 1983, the Sweetwater Authority will deliver water to the San Diego District of California American Water for emergency domestic and fire protection use for a period not to exceed 90 days in any calendar year. The agreement is contingent upon the availability of a sufficient surplus of water within the Sweetwater Authority system to meet the needs of its customers. The water purchased under this agreement will be priced at the then-existing commodity rate of the Sweetwater Authority. California American Water has purchased water from the Sweetwater Authority on five (5) different occasions during the past six (6) years. The total water purchased was 23,129,000 gallons.

United States Navy

Under the terms of the agreement dated June 1, 1979, California American Water and/or the United States Navy will deliver water to the other party for emergency use. The water purchased under this agreement will be priced at the then-existing commodity rate of the party providing the water and an appropriate and mutually agreed time will be set by the parties for

continued purchases. The party purchasing the water shall return an equal amount of water to the provider of the water through the emergency connection. The terms of the agreement are contingent upon the availability of a sufficient surplus of water with the water system of the party obligated to provide water. The San Diego District of California American Water has purchased water through this emergency connection on five (5) different occasions during the past six (6) years. The total water purchased was 2,068,000 gallons.

Water Supply

The water supply for customers in the San Diego District service area is entirely purchased from other suppliers. The primary supplier is the City of San Diego. Emergency interconnections have been made with Otay Municipal District, the Sweetwater Authority and the North Island Naval Air Base. The City of San Diego purchases approximately 80 percent of its raw water supply from the San Diego County Water Authority ("SDCWA") and meets the remainder of its needs from its own reservoir system. Since SDCWA owns only transmission facilities, it purchases its water supply from the Metropolitan Water District ("MWD"). MWD imports water from the Colorado River and the State Water Project from northern California.

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables that summarize earnings information and calculations at present and proposed rates presented as follows:

Table 2.1 – Comparative Summary of Earnings

This table contains a detailed summary of earnings for the 2021 Test Year at present and proposed rates as filed by California American Water. The table also contains columns for the inclusion and comparison of a detailed summary of earnings for the 2021 Test Year at present and proposed rates that will be filed by the California Public Advocates (Cal PA) during the processing of the application. For further comparison, the table contains a column for details of the summary of earnings for the 2021 Test Year adopted by the CPUC in its final decision regarding this application.

Table 2.2 – Summary of Earnings at Proposed Rates

This table contains a detailed summary of earnings for 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year at Proposed rates as filed by California American Water in this application.

Table 2.3 – Summary of Earnings at Present Rates

This table contains a detailed summary of earnings for the recorded years 2014-2018, Estimated Years 2019 and 2020, Test Year 2021, Escalation Year 2022, and Attrition Year 2023 at present rates. A comparison to these amounts to the adopted amounts from the most recent rate case filed by California American Water at proposed rates is also included.

Table 2.4 – Summary of Revenue Requirement Calculation

This table contains calculations of revenue requirements for the 2021 Test Year, 2022 Escalation Year and 2023 Attrition Year based on financial information presented by California American Water in this application.

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
COMPARATIVE SUMMARY OF EARNINGS
FOR TEST YEAR AT PRESENT AND PROPOSED RATES

Filing: **Final**

| (\$ 1,000's) | At Present Rates | | At Proposed Rates | | Adopted Rates |
|--------------------------------|------------------|--------|-------------------|--------|---------------|
| Description | CAW | CAL PA | CAW | CAL PA | CPUC |
| Operating Revenues | 30,359.9 | 0.0 | 33,870.5 | 0.0 | 0.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 2,240.4 | 0.0 | 2,240.4 | 0.0 | 0.0 |
| Purchased Water | 19,955.9 | 0.0 | 19,955.9 | 0.0 | 0.0 |
| Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Chemicals | (0.0) | 0.0 | (0.0) | 0.0 | 0.0 |
| Operation and Maintenance | 424.6 | 0.0 | 424.6 | 0.0 | 0.0 |
| Customer Accounting | 249.4 | 0.0 | 249.4 | 0.0 | 0.0 |
| Uncollectibles | 135.4 | 0.0 | 151.0 | 0.0 | 0.0 |
| Insurance | 423.0 | 0.0 | 423.0 | 0.0 | 0.0 |
| Pensions and Benefits | 610.4 | 0.0 | 610.4 | 0.0 | 0.0 |
| Regulatory Expense | 66.9 | 0.0 | 66.9 | 0.0 | 0.0 |
| Rents | 344.8 | 0.0 | 344.8 | 0.0 | 0.0 |
| Other Administrative & General | 790.4 | 0.0 | 790.4 | 0.0 | 0.0 |
| Subtotal | 25,241.3 | 0.0 | 25,256.9 | 0.0 | 0.0 |
| Service Company | 1,492.3 | 0.0 | 1,492.3 | 0.0 | 0.0 |
| Citizens Acquisition Premium | 478.1 | 0.0 | 478.1 | 0.0 | 0.0 |
| GO Return on Rate Base | 401.4 | 0.0 | 401.4 | 0.0 | 0.0 |
| Return on and of UPAA | 460.6 | 0.0 | 460.6 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M Expenses | 28,073.5 | 0.0 | 28,089.2 | 0.0 | 0.0 |
| Depreciation | 1,442.8 | 0.0 | 1,442.8 | 0.0 | 0.0 |
| General Taxes | 434.9 | 0.0 | 434.9 | 0.0 | 0.0 |
| Total Operating Expenses | 29,951.3 | 0.0 | 29,966.9 | 0.0 | 0.0 |
| Income Before Income Taxes | 408.6 | 0.0 | 3,903.5 | 0.0 | 0.0 |
| State Income Taxes | (55.5) | 0.0 | 253.4 | 0.0 | 0.0 |
| Federal Income Taxes | (246.9) | 0.0 | 487.0 | 0.0 | 0.0 |
| Total Income Taxes | (302.5) | 0.0 | 740.4 | 0.0 | 0.0 |
| Utility Operating Income | 711.1 | 0.0 | 3,163.1 | 0.0 | 0.0 |
| Rate Base | 41,565.4 | 0.0 | 41,565.4 | 0.0 | 0.0 |
| Return on Rate Base | 1.71% | 0.00% | 7.61% | 0.00% | 0.00% |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
SUMMARY OF EARNINGS AT PROPOSED RATES
(\$ 1,000's)

Filing:

Final

| Description | Projected Test Year | Escalation Year | Attrition Year | Reference |
|---|------------------------|--------------------|-------------------|-------------------|
| | 2021 | 2022 | 2023 | |
| Operating Revenues | 33,870.5 | 35,280.0 | 36,174.7 | Tbl 2.4 |
| Operation & Maintenance Exp | | | | |
| Labor | 2,240.4 | 2,305.8 | 2,359.3 | Tbl 2.3 |
| Purchased Water | 19,955.9 | 20,020.6 | 20,020.6 | Tbl 2.3 |
| Purchased Power | 0.0 | 0.0 | 0.0 | Tbl 2.3 |
| Chemicals | (0.0) | (0.1) | (0.1) | Tbl 2.3 |
| Operation Expense | 281.9 | 545.2 | 547.4 | Tbl 2.3 |
| Maintenance (excluding Amort Tank Painting) | 102.9 | 105.2 | 107.1 | Tbl 2.3 |
| Amortization of Tank Painting | 39.9 | 74.1 | 75.8 | Tbl 2.3 |
| Customer Accounting | 249.4 | 255.0 | 259.3 | Tbl 2.3 |
| Uncollectible Expense | 151.0 | 157.3 | 155.5 | Tbl 2.3 |
| Insurance | 423.0 | 428.7 | 434.9 | Tbl 2.3 |
| Pensions and Benefits | 610.4 | 640.7 | 655.6 | Tbl 2.3 |
| Regulatory Expenses | 66.9 | 267.8 | 267.8 | Tbl 2.3 |
| Rents | 344.8 | 327.6 | 329.1 | Tbl 2.3 |
| Other Administrative & General | 790.4 | 782.9 | 795.3 | Tbl 2.3 |
| Service Company Costs | 1,492.3 | 1,526.0 | 1,562.8 | Tbl 2.3 |
| Citizens Acquisition Premium | 478.1 | 480.4 | 482.9 | Tbl 2.3 |
| General Office Return on Rate Base | 401.4 | 414.2 | 426.9 | Tbl 2.3 |
| Return on and of UPAA | 460.6 | 450.9 | 441.4 | Tbl 2.3 |
| Sam Clemente Dam | 0.0 | 0.0 | 0.0 | Calculated |
| Total O&M expenses | 28,089.2 | 28,782.3 | 28,921.3 | Tbl 2.3 |
| Depreciation | 1,442.8 | 1,573.0 | 1,703.1 | Tbl 2.3 / CH02 RO |
| General Taxes | 434.9 | 462.5 | 482.4 | Calculated |
| Total Operating Expenses | 29,966.9 | 30,817.8 | 31,106.8 | Calculated |
| Income Before Income Taxes | 3,903.5 | 4,462.2 | 5,067.9 | Calculated |
| State Income Taxes | 253.4 | 288.8 | 328.4 | Tbl 6.2 |
| Federal Income Taxes | 487.0 | 529.7 | 615.2 | Tbl 6.2 |
| Total Income Taxes | 740.4 | 818.5 | 943.6 | Calculated |
| Utility Operating Income | 3,163.1 | 3,643.7 | 4,124.3 | Calculated |
| Average Rate Base | 41,565.4 | 47,880.8 | 54,196.2 | Tbl 2.3 |
| Return on Rate Base | 7.61% | 7.61% | 7.61% | Calculated |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
SUMMARY OF EARNINGS AT PRESENT RATES
(\$ 1,000's)

Filing: Final

| Description | Recorded Years | | | | |
|---|----------------|----------|----------|----------|----------|
| | 2014 | 2015 | 2016 | 2017 | 2018 |
| Operating Revenues | 26,252.9 | 23,946.8 | 26,125.8 | 27,309.9 | 30,203.0 |
| Operation & Maintenance Exp | | | | | |
| Labor | 2,013.1 | 2,010.5 | 2,035.2 | 2,003.0 | 2,005.9 |
| Purchased Water | 17,466.1 | 14,651.4 | 18,314.7 | 19,467.6 | 19,865.9 |
| Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Chemicals | (0.0) | 0.0 | 0.0 | (0.2) | 0.0 |
| Operation Expense | 94.8 | 107.8 | 130.5 | 196.3 | 172.0 |
| Maintenance (excluding Amort Tank Painting) | 79.4 | 39.4 | 69.5 | 112.5 | 81.5 |
| Amortization of Tank Painting | 13.0 | 13.1 | 18.2 | 14.6 | 16.0 |
| Customer Accounting | 212.5 | 216.7 | 219.1 | 229.4 | 231.3 |
| Uncollectible Expense | 142.6 | 116.2 | 128.8 | 137.4 | 130.7 |
| Insurance | 286.7 | 399.5 | 269.9 | 196.1 | 274.4 |
| Pensions and Benefits | 593.3 | 450.1 | 651.6 | 677.8 | 598.7 |
| Regulatory Expenses | 192.4 | 57.3 | 96.3 | 185.2 | 36.5 |
| Rents | 283.0 | 290.6 | 275.1 | 305.6 | 283.1 |
| Other Administrative & General | 696.7 | 701.0 | 652.0 | 696.2 | 749.1 |
| Service Company Costs | 1,589.9 | 1,605.9 | 1,618.2 | 1,433.6 | 1,423.1 |
| Citizens Acquisition Premium | 428.7 | 414.0 | 399.2 | 393.0 | 472.4 |
| General Office Return on Rate Base | 196.3 | 231.9 | 257.8 | 220.9 | 250.5 |
| Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total O&M expenses | 24,288.3 | 21,305.4 | 25,136.3 | 26,268.7 | 26,591.0 |
| Depreciation | 869.9 | 867.8 | 955.4 | 1,018.8 | 1,076.6 |
| General Taxes | 326.5 | 322.9 | 310.1 | 312.0 | 303.4 |
| Total Operating Expenses | 25,484.8 | 22,496.1 | 26,401.8 | 27,599.5 | 27,971.0 |
| Income Before Income Taxes | 768.1 | 1,450.6 | (276.0) | (289.6) | 2,232.0 |
| State Income Taxes | 14.1 | 68.8 | (86.9) | (90.9) | 145.5 |
| Federal Income Taxes | 42.2 | 239.6 | (322.4) | (336.9) | 306.4 |
| Total Income Taxes | 56.3 | 308.4 | (409.4) | (427.9) | 451.9 |
| Utility Operating Income | 711.9 | 1,142.2 | 133.3 | 138.3 | 1,780.0 |
| Average Rate Base | 19,725.3 | 21,777.1 | 22,871.7 | 23,882.2 | 23,566.8 |
| Return on Rate Base | 3.61% | 5.25% | 0.58% | 0.58% | 7.55% |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
SUMMARY OF EARNINGS AT PRESENT RATES

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Description | Estimated | | Projected Test Year | Escalation Year | Attrition Year | Last Authorized Test Year | Reference |
|---|-----------|----------|------------------------|--------------------|-------------------|---------------------------------|--------------------|
| | 2019 | 2020 | | | | | |
| Operating Revenues | 30,180.9 | 30,286.6 | 30,359.9 | 33,971.6 | 35,280.0 | 30,933.1 | Ch 3,Tbl 3.17-3.18 |
| Operation & Maintenance Exp | | | | | | | |
| Labor | 2,119.3 | 2,177.7 | 2,240.4 | 2,305.8 | 2,359.3 | 1,939.8 | Ch 4, Tbl 4.1 |
| Purchased Water | 19,853.2 | 19,910.1 | 19,955.9 | 20,020.6 | 20,020.6 | 20,355.1 | Ch 4, Tbl 4.1 |
| Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | Ch 4, Tbl 4.1 |
| Chemicals | (0.0) | (0.0) | (0.0) | (0.1) | (0.1) | 0.0 | Ch 4, Tbl 4.1 |
| Operation Expense | 86.7 | 128.0 | 281.9 | 545.2 | 547.4 | 231.7 | Ch 4, Tbl 4.1 |
| Maintenance (excluding Amort Tank Painting) | 99.5 | 101.0 | 102.9 | 105.2 | 107.1 | 79.7 | Ch 4, Tbl 4.1 |
| Amortization of Tank Painting | 11.7 | 6.0 | 39.9 | 74.1 | 75.8 | 12.4 | Ch 4, Tbl 4.1 |
| Customer Accounting | 241.3 | 244.9 | 249.4 | 255.0 | 259.3 | 216.0 | Ch 4, Tbl 4.1 |
| Uncollectible Expense | 134.6 | 135.0 | 135.4 | 151.5 | 151.5 | 177.7 | Ch 4, Tbl 4.1 |
| Insurance | 244.4 | 254.9 | 423.0 | 428.7 | 434.9 | 299.5 | Ch 4, Tbl 4.1 |
| Pensions and Benefits | 526.6 | 597.0 | 610.4 | 640.7 | 655.6 | 531.1 | Ch 4, Tbl 4.1 |
| Regulatory Expenses | 184.6 | 184.6 | 66.9 | 267.8 | 267.8 | 126.6 | Ch 4, Tbl 4.1 |
| Rents | 279.5 | 288.0 | 344.8 | 327.6 | 329.1 | 288.4 | Ch 4, Tbl 4.1 |
| Other Administrative & General | 751.5 | 802.1 | 790.4 | 782.9 | 795.3 | 638.8 | Ch 4, Tbl 4.1 |
| Service Company Costs | 1,448.6 | 1,466.6 | 1,492.3 | 1,526.0 | 1,562.8 | 1,339.4 | Ch 4, Tbl 4.1 |
| Citizens Acquisition Premium | 474.1 | 476.0 | 478.1 | 480.4 | 482.9 | 477.4 | Ch 4, Tbl 4.1 |
| General Office Return on Rate Base | 264.3 | 347.0 | 401.4 | 414.2 | 426.9 | 277.3 | Ch 4, Tbl 4.1 |
| Return on and of UPAA | 0.0 | 0.0 | 460.6 | 450.9 | 441.4 | 0.0 | Ch 4, Tbl 4.1 |
| San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ch 4, Tbl 4.1 |
| Total O&M expenses | 26,749.8 | 27,118.9 | 28,073.5 | 28,776.5 | 28,917.3 | 26,992.2 | Calculated |
| Depreciation | 1,165.0 | 1,297.9 | 1,442.8 | 1,573.0 | 1,703.1 | 1,120.1 | SE RO |
| General Taxes | 348.8 | 394.0 | 434.9 | 462.5 | 482.4 | 353.1 | Ch 5, Tbl 5.1 |
| Total Operating Expenses | 28,233.6 | 28,810.8 | 29,951.3 | 30,811.9 | 31,102.8 | 28,465.4 | Calculated |
| Income Before Income Taxes | 1,947.3 | 1,475.8 | 408.6 | 3,159.7 | 4,177.2 | 2,467.7 | Calculated |
| State Income Taxes | 114.6 | 57.5 | (55.5) | 173.7 | 249.6 | 161.3 | Ch 6, Tbl 6.1-6.2 |
| Federal Income Taxes | 242.9 | 107.6 | (246.9) | 256.2 | 428.2 | 334.9 | Ch 6, Tbl 6.1-6.2 |
| Total Income Taxes | 357.5 | 165.1 | (302.5) | 429.8 | 677.8 | 496.2 | Calculated |
| Utility Operating Income | 1,589.8 | 1,310.7 | 711.1 | 2,729.8 | 3,499.4 | 1,971.5 | Calculated |
| Average Rate Base | 26,180.1 | 33,127.3 | 41,565.4 | 47,880.8 | 54,196.2 | 25,906.5 | Ch 9, Tbl 9.1 |
| Return on Rate Base | 6.07% | 3.96% | 1.71% | 5.70% | 6.46% | 7.61% | Calculated |

SUMMARY OF REVENUE REQUIREMENT CALCULATION

| (\$ 1,000's) | Projected Test Year | Escalation Year | Attrition Year | |
|--|------------------------|--------------------|-------------------|---------------|
| Description | 2021 | 2022 | 2023 | Reference |
| Weighted Average Rate Base | 41,565.4 | 47,880.8 | 54,196.2 | Ch 9, Tbl 9.1 |
| Rate of Return Requested | 7.61% | 7.61% | 7.61% | |
| Utility Operating Income Required | 3,163.1 | 3,643.7 | 4,124.3 | Calculated |
| At Present Rates | 711.1 | 2,729.8 | 3,499.4 | Ch 2, Tbl 2.3 |
| Increase (Decrease) in UOI Required | 2,452.1 | 913.9 | 624.9 | Calculated |
| Net to Gross Multiplier | 1.43170 | 1.43171 | 1.43172 | CH02 RO |
| Gross Revenues | | | | |
| Incr (Decr) in Revenues Required | 3,510.6 | 1,308.4 | 894.7 | Calculated |
| Revenues at Present Rates | 30,359.9 | 33,971.6 | 35,280.0 | Ch 2, Tbl 2.3 |
| Revenues at Proposed Rates | 33,870.5 | 35,280.0 | 36,174.7 | Calculated |
| Percent Incr (Decr) in Revenues | 11.56% | 3.85% | 2.54% | Calculated |
| <div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><di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DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Information in this chapter contains tables used to forecast customers, water sales and operating revenues as filed by California American Water in this application and is presented as follows:

Table 3.1 through Table 3.6

These tables contain information regarding projections of the number of customers for the San Diego District of California American Water presented in this application. The number of customers forecasted to be served by the district during 2019 through 2022 was determined by using a five year historical growth average and adjusted for growth due to acquisitions, if applicable.

Table 3.7 through 3.15

These tables contain water sales and water production information for the San Diego District of California American Water as filed in this application. An average use per customer is determined based on total consumption divided by the number of billed days.

Consumption estimates for the Test Year 2021 and Escalation Year 2022 are derived from the average use per customer for the two latest recorded years multiplied against the projected average number of customers per classification.

Table 3.16 through 3.22

These tables contain operating revenue information for the San Diego District of California American Water presented in this application.

Revenues at present rates for the 2019-2020 result from forecasted customers and sales presented in this Chapter and rates currently or anticipated to be in effect. For this calculation, California American Water included surcharges for purchased water offsets as part of base revenues since these are rolled back into base rates at the start of the Test Year.

Revenues at proposed rates for 2021 and 2022 are determined by taking the proposed service and volumetric rates necessary to meet California American Water's projected

revenue requirement multiplied by forecasted customers and sales. The revenues result from applying the overall proposed increase as determined in the revenue requirement to all of the present rates from the preceding year.

Miscellaneous Service revenues for the 2021 Test Year include forecasted amounts related to Non Sufficient Funds (NSF) fees, Reconnection and Late Fees, Antenna Lease, and Deferred Contribution to Revenues. Conservation and PUC fees have been excluded as they represent charges that are separate and above the base revenue requirement. The presentation in this chapter does not reflect any effects from surcharges requested in this application. However, California American Water has included surcharges in its bill impact analysis where applicable.

Method 5 Amortization revenue is based on the amortization of deferred Contribution in Aid of Construction revenues from Table 9.1.

California American Water
San Diego County District - 2019 GRC
CUSTOMERS AT YEAR END
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 18,347 | 18,380 | 18,462 | 18,619 | 18,766 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 2,055 | 2,062 | 2,065 | 2,053 | 2,043 |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 |
| 7. | Public Authority | OPUA | 318 | 321 | 325 | 307 | 314 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 19 | 13 | 26 | 22 | 18 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PPFS | 386 | 379 | 387 | 397 | 395 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 21,125 | 21,155 | 21,265 | 21,398 | 21,536 |

References: Line 17 is sum of lines 2 thru 16

References: Line 17 is sum of lines 2 thru 16

California American Water
San Diego County District - 2019 GRC
CUSTOMERS AT YEAR END
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year 2018 | Estimated 2019 | Estimated 2020 | Proposed Test Year 2021 | Escalation Year 2022 | Escalation Year 2023 |
|---|-----------------------------|-------|--------------------------------|----------------|----------------|-------------------------|----------------------|----------------------|
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 18,528 | 18,868 | 18,970 | 19,071 | 19,173 | 19,275 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 2,067 | 2,045 | 2,047 | 2,048 | 2,050 | 2,052 |
| 5. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. | Public Authority | OPUA | 324 | 313 | 311 | 310 | 308 | 307 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 11 | 19 | 21 | 22 | 23 | 25 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 387 | 395 | 395 | 395 | 395 | 395 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 21,317 | 21,639 | 21,743 | 21,846 | 21,950 | 22,053 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

California American Water
San Diego County District - 2019 GRC
CUSTOMERS AT YEAR END
CALCULATION OF PERCENT CHANGE IN CUSTOMERS AT YEAR END

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|-----------------------------|-------|----------------|---------|---------|---------|---------|---------------------------|--------------------|--|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 1. | Metered Water Customers: | | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.18% | 0.45% | 0.85% | 0.79% | 0.54% | 0.54% | |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 5. | Commercial | COMM | N/A | 0.34% | 0.15% | -0.58% | -0.49% | 0.09% | 0.09% | |
| 6. | Industrial | INDR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 7. | Public Authority | OPUA | N/A | 0.94% | 1.25% | -5.54% | 2.28% | -0.48% | -0.48% | |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 9. | Other | OTHR | N/A | -31.58% | 100.00% | -15.38% | -18.18% | 7.22% | 6.31% | |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 16. | Public Fire | PFPS | N/A | -1.81% | 2.11% | 2.58% | -0.50% | 0.00% | 0.00% | |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| 23. | TOTAL | | N/A | 0.55% | 0.33% | 0.57% | 0.64% | 0.48% | 0.48% | |
| References: Recorded year % calculated by dividing the # customers by prior year level and subtracting 1. Last Authorized year % calculated by dividing the 1st est yr # customers by last authorized level and subtracting 1. Proposed test year % calculated by dividing the # customers by prior year estimated level and subtracting 1. | | | | | | | | | | |

California American Water
San Diego County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|-----------------------------|-------|----------------|--------|--------|--------|--------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 18,313 | 18,364 | 18,421 | 18,541 | 18,693 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 2,010 | 2,059 | 2,064 | 2,059 | 2,048 |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 |
| 7. | Public Authority | OPUA | 304 | 320 | 323 | 316 | 311 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 18 | 16 | 20 | 24 | 20 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 382 | 383 | 383 | 392 | 396 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 21,027 | 21,142 | 21,211 | 21,332 | 21,468 |

Reference: Line 17 is sum of lines 2 thru 16
Average calculated using current and prior period-end customers.

California American Water
San Diego County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | Escalation | |
|--------------------------|-----------------------------|-------|---------------------------|-----------|--------|--------------------|------------|--------|
| | | | | 2019 | 2020 | | Year | Year |
| Metered Water Customers: | | | | | | | | |
| 1. | Residential | SRES | 18,528 | 18,817 | 18,919 | 19,020 | 19,122 | 19,224 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 2,067 | 2,044 | 2,046 | 2,047 | 2,049 | 2,051 |
| 5. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. | Public Authority | OPUA | 324 | 313 | 312 | 310 | 309 | 307 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 11 | 19 | 20 | 21 | 23 | 24 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 387 | 395 | 395 | 395 | 395 | 395 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 21,317 | 21,588 | 21,692 | 21,793 | 21,898 | 22,001 |

Reference: Line 17 is sum of lines 2 thru 16
Average calculated using current and prior period-end customers.

California American Water
San Diego County District - 2019 GRC
AVERAGE NUMBER OF CUSTOMERS
CALCULATION OF PERCENT CHANGE IN AVERAGE NUMBER OF CUSTOMERS

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|-----------------------------|-------|----------------|---------|--------|--------|---------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | 0.28% | 0.31% | 0.65% | 0.82% | 0.66% | 0.53% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | 2.44% | 0.24% | -0.24% | -0.53% | -0.20% | 0.05% |
| 6. | Industrial | INDR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Public Authority | OPUA | N/A | 5.26% | 0.94% | -2.17% | -1.58% | 0.64% | -0.64% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -11.11% | 25.00% | 20.00% | -16.67% | -5.00% | 5.00% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 0.26% | 0.00% | 2.35% | 1.02% | -0.25% | 0.00% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | 0.55% | 0.33% | 0.57% | 0.64% | 0.56% | 0.47% |
| References: | | | | | | | | | |
| Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. | | | | | | | | | |
| Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. | | | | | | | | | |
| Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|--|---------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 120.9 | 101.8 | 101.9 | 103.2 | 104.8 |
| 3. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMM | 890.5 | 774.3 | 766.9 | 771.4 | 776.5 |
| 6. | Industrial | INDR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | Public Authority | OPUA | 2,346.5 | 1,595.1 | 1,729.6 | 1,791.4 | 1,961.2 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 1,798.0 | 1,489.3 | 2,339.1 | 848.8 | 1,545.0 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | TOTAL | | 225.8 | 189.1 | 191.7 | 191.6 | 195.2 |
| References: Line 17 is total consumption TBL 3.10 divided by average customers TBL 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | Escalation | | |
|---|-----------------------------|-------|---------------------------|-----------|---------|--------------------|------------|---------|---------|
| | | | | 2018 | 2019 | | 2020 | 2021 | 2022 |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | 114.9 | 107.2 | 107.2 | 107.2 | 107.2 | 107.2 | 107.2 |
| 3. | Multiresidential | MRES | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Commercial | COMM | 845.0 | 786.6 | 786.6 | 786.6 | 786.6 | 786.6 | 786.6 |
| 6. | Industrial | INDR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | Public Authority | OPUA | 1,970.8 | 1,585.1 | 1,585.1 | 1,585.1 | 1,585.1 | 1,585.1 | 1,585.1 |
| 8. | Sales for Resale | SLFR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | Other | OTHR | 1,643.6 | 1,746.9 | 1,746.9 | 1,746.9 | 1,746.9 | 1,746.9 | 1,746.9 |
| 10. | Golf Courses | GOLF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Construction | CSTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | Irrigation Gravity | IRRG | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Irrigation Pressure | IRRP | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | Private Fire | RFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | Private Fire Mandated | RFPM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | Public Fire | PFPS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | Hotel | HOTL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | Residential Flat | SREF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | Commercial (Flat) | COMF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | Unmetered | UMTR | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 21. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22. | Reserved | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 23. | | 0 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 24. | TOTAL | | 212.6 | 192.4 | 192.1 | 191.7 | 191.4 | 191.0 | 191.0 |
| References: Line 17 is total consumption TBL 3.11 divided by average customers TBL 3.45 | | | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC

Filing: Final

AVERAGE ANNUAL CONSUMPTION PER CUSTOMER (CCF)

CALCULATION OF PERCENT CHANGE IN ANNUAL CONSUMPTION PER CUSTOMER

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|--------|-------|--------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -15.8% | 0.1% | 1.3% | 1.6% | 2.3% | 0.0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -13.0% | -1.0% | 0.6% | 0.7% | 1.3% | 0.0% |
| 6. | Industrial | INDR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Public Authority | OPUA | N/A | -32.0% | 8.4% | 3.6% | 9.5% | -19.2% | 0.0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -17.2% | 57.1% | -63.7% | 82.0% | 13.1% | 0.0% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | TOTAL | | N/A | -16.3% | 1.4% | 0.0% | 1.9% | -1.4% | -0.2% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|-------------|-------------|-------------|-------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | 2,213,269 | 1,869,424 | 1,876,987 | 1,912,689 | 1,959,187 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,789,844 | 1,594,385 | 1,582,927 | 1,588,269 | 1,590,231 |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 |
| 7. | Public Authority | OPUA | 713,348 | 510,445 | 558,651 | 566,078 | 609,939 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 32,364 | 23,829 | 46,783 | 20,372 | 30,900 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 4,748,823.9 | 3,998,083.3 | 4,065,347.3 | 4,087,407.4 | 4,190,257.1 |

References: Line 17 is sum of lines 2 thru 16

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)
AUTHORIZED AND PROPOSED

Filing: **Final**

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year | Escalation Year |
|---|-----------------------------|-------|---------------------------|-----------|-----------|--------------------|-----------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
| 1. | Metered Water Customers: | | | | | | | |
| 2. | Residential | SRES | 2,127,941 | 2,017,211 | 2,028,146 | 2,038,973 | 2,049,908 | 2,060,842 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 1,746,615 | 1,607,751 | 1,609,325 | 1,610,111 | 1,611,684 | 1,613,257 |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 | 0 |
| 7. | Public Authority | OPUA | 638,539 | 496,131 | 494,546 | 491,376 | 489,790 | 486,620 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 18,080 | 33,191 | 34,938 | 36,685 | 40,179 | 41,926 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | 4,531,175 | 4,154,284 | 4,166,955 | 4,177,145 | 4,191,561 | 4,202,645 |
| References: Line 17 is sum of lines 2 thru 16 | | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
TOTAL ANNUAL CONSUMPTION (CCF)

Filing: Final

CALCULATION OF PERCENT CHANGE IN TOTAL ANNUAL CONSUMPTION

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------------|-------|----------------|--------|-------|--------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers: | | | | | | | | |
| 2. | Residential | SRES | N/A | -15.5% | 0.4% | 1.9% | 2.4% | 3.0% | 0.5% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -10.9% | -0.7% | 0.3% | 0.1% | 1.1% | 0.0% |
| 6. | Industrial | INDR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Public Authority | OPUA | N/A | -28.4% | 9.4% | 1.3% | 7.7% | -18.7% | -0.6% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -26.4% | 96.3% | -56.5% | 51.7% | 7.4% | 5.0% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Sub-Total | | N/A | -15.8% | 1.7% | 0.5% | 2.5% | -0.9% | 0.2% |
| References: Recorded year % calculated by dividing the average # customers by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr average # customers by the last authorized level and subtracting 1. Proposed test year % calculated by dividing the average # customers by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
WATER PRODUCTION (KCCF)
RECORDED

Filing: Final

| Line No. | Description | RECORDED YEARS | | | | |
|--|--------------------------------|----------------|-----------|-----------|-----------|-----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Sales | 4,748.8 | 3,998.1 | 4,065.3 | 4,087.4 | 4,190.3 |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | Total Consumption | 4,748.8 | 3,998.1 | 4,065.3 | 4,087.4 | 4,190.3 |
| 4. | Non Revenue | 188.3 | 95.3 | 284.5 | 394.6 | 377.1 |
| 5. | Total Water Requirement | 4,937.2 | 4,093.4 | 4,349.8 | 4,482.0 | 4,567.4 |
| 6. | Non Revenue Water % | 3.8% | 2.3% | 6.5% | 8.8% | 8.3% |
| 7. | Equivalent Acre Feet | 11,334.2 | 9,397.2 | 9,985.8 | 10,289.4 | 10,485.3 |
| 8. | Total Water Requirement in CCF | 4,937,170 | 4,093,431 | 4,349,801 | 4,482,043 | 4,567,396 |
| References: Line 1 Metered sales per Table 3.10 | | | | | | |
| Other Consumption per [insert text if applicable] | | | | | | |
| Line 3 is sum of lines 2 and 3. | | | | | | |
| Line 4 is line 5 less line 3 | | | | | | |
| Line 5 is per MDR IIE.2 | | | | | | |
| Line 6 is line 4 divided by line 5. | | | | | | |
| Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. | | | | | | |
| Line 8 is line 5 multiplied by 1,000 to convert ot CCF. | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
WATER PRODUCTION (KCCF)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Last Authorized Test Year | Estimated | | Proposed Test Year | | Escalation Year |
|--|--------------------------------|---------------------------|-----------|-----------|--------------------|-----------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | |
| 1. | Metered Sales | 4,531.2 | 4,154.3 | 4,167.0 | 4,177.1 | 4,191.6 | |
| 2. | Other Consumption | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 3. | Total Consumption | 4,531.2 | 4,154.3 | 4,167.0 | 4,177.1 | 4,191.6 | |
| 4. | Non Revenue | 181.3 | 268.0 | 268.0 | 268.0 | 268.0 | |
| 5. | Total Water Requirement | 4,712.5 | 4,422.3 | 4,434.9 | 4,445.1 | 4,459.5 | |
| 6. | Non Revenue Water % | 3.8% | 6.1% | 6.0% | 6.0% | 6.0% | |
| 7. | Equivalent Acre Feet | 10,818.4 | 10,152.1 | 10,181.2 | 10,204.6 | 10,237.7 | |
| 8. | Total Water Requirement in CCF | 4,712,500 | 4,422,268 | 4,434,939 | 4,445,129 | 4,459,545 | |
| References: Line 1 Metered sales per Table 3.11 Other Consumption per [insert text if applicable] Line 3 is sum of lines 2 and 3. Line 4 is based on projection. See REV Wkp [insert reference] Line 5 is line 3 plus 4 Line 6 is line 4 divided by line 5. Line 7 is line 5 divided by 435.6 and multiplied by 1,000 to convert to Acre Feet. Line 8 is line 5 multiplied by 1,000 to convert to CCF. | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
WATER PRODUCTION (KCCF)

Filing: **Final**

CALCULATION OF PERCENT CHANGE IN WATER PRODUCTION

| Line No. | Description | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|--------------------------------|----------------|--------|--------|-------|-------|---------------------------|--------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Sales | N/A | -15.8% | 1.7% | 0.5% | 2.5% | -8.3% | 0.2% |
| 2. | Other Consumption | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3. | Total Consumption | N/A | -15.8% | 1.7% | 0.5% | 2.5% | -8.3% | 0.2% |
| 4. | Non Revenue | N/A | -49.4% | 198.3% | 38.7% | -4.4% | 47.8% | 0.0% |
| 5. | Total Water Requirement | N/A | -17.1% | 6.3% | 3.0% | 1.9% | -6.2% | 0.2% |
| 6. | Non Revenue Water % | N/A | -38.9% | 180.7% | 34.6% | -6.2% | 57.5% | -0.2% |
| 7. | Equivalent Acre Feet | N/A | -17.1% | 6.3% | 3.0% | 1.9% | -6.2% | 0.2% |
| 8. | Total Water Requirement in CCF | N/A | -17.1% | 6.3% | 3.0% | 1.9% | -6.2% | 0.2% |
| References: Recorded year % calculated by dividing current year data by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est yr data point by last authorized level and subtracting 1. Proposed test year % calculated by dividing the test year data point by the prior year estimated level and subtracting 1. | | | | | | | | |

California American Water
San Diego County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: **Final**

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|-----------------------|-----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | \$15,058,483 | \$17,423,694 | \$2,365,211 | 15.71% |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 11,211,228 | 12,077,248 | 866,020 | 7.72% |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0.00% |
| 7. | Public Authority | OPUA | 3,434,011 | 3,717,036 | 283,025 | 8.24% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 257,923 | 281,363 | 23,440 | 9.09% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0.00% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 67,446 | 75,245 | 7,799 | 11.56% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 165,160 | 130,061 | (35,099) | -21.25% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 30,194,251 | 33,704,647 | 3,510,396 | 11.63% |

California American Water
San Diego County District - 2019 GRC

Filing: Final

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| Non-Metered Customers | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 30,194,251 | 33,704,647 | 3,510,396 | 11.63% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 42,300 | 42,300 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 31. | Misc Service Revenues | MISC | 123,302 | 123,302 | 0 | 0.00% |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 33. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 36. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 37. | | | 165,602 | 165,602 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 165,602 | 165,602 | 0 | 0.00% |

California American Water
San Diego County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|----------------|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| TEST YEAR 2021 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0.00% |
| | | | | | | |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$30,359,853 | \$33,870,249 | \$3,510,396 | 11.56% |
| 49. | Revenues per Avg Customer | | \$1,393 | \$1,554 | \$161 | 11.56% |
| | | | | | | |

California American Water
San Diego County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------|-----------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 1. | Metered Water Customers | | | | | |
| 2. | Residential | SRES | 17,493,850 | 18,176,244 | 682,394 | 3.90% |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0.00% |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0.00% |
| 5. | Commercial | COMM | 12,087,756 | 12,554,892 | 467,136 | 3.86% |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0.00% |
| 7. | Public Authority | OPUA | 3,706,653 | 3,849,997 | 143,344 | 3.87% |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0.00% |
| 9. | Other | OTHR | 304,195 | 315,959 | 11,764 | 3.87% |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0.00% |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0.00% |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0.00% |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0.00% |
| 14. | Private Fire | RFPS | 86,222 | 89,543 | 3,321 | 3.85% |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0.00% |
| 16. | Public Fire | PFPS | 130,061 | 130,061 | 0 | 0.00% |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0.00% |
| 18. | Reserved | | 0 | 0 | 0 | 0.00% |
| 19. | Total Metered Revenues | | 33,808,737 | 35,116,696 | 1,307,959 | |

California American Water
San Diego County District - 2019 GRC
COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

Filing: Final

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|------------------------------|----------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| Non-Metered Customers | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0.00% |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0.00% |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0.00% |
| 24. | | | 0 | 0 | 0 | 0.00% |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0.00% |
| 26. | Total Water Revenues | | 33,808,737 | 35,116,696 | 1,307,959 | 3.87% |
| Other Revenues | | | | | | |
| 27. | Method 5 Revenues | METH | 39,568 | 39,568 | 0 | 0.00% |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0.00% |
| 29. | Antenna Leases | ANTL | 0 | 0 | 0 | 0.00% |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0.00% |
| 31. | Misc Service Revenues | MISC | 123,302 | 123,302 | 0 | 0.00% |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0.00% |
| 33. | Rents | RENT | 0 | 0 | 0 | 0.00% |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0.00% |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0.00% |
| 36. | Other | OTER | 0 | 0 | 0 | 0.00% |
| 37. | | | 162,871 | 162,871 | 0 | 0.00% |
| 38. | Subtotal Other Revenues | | 162,871 | 162,871 | 0 | 0.00% |

COMPARISON OF REVENUES AT PRESENT AND PROPOSED RATES

| Line No. | Description | Class | Present Rates | Proposed Rates | Difference Incr (Decr) | Percent Incr (Decr) |
|---|---------------------------|-------|---------------|----------------|------------------------|---------------------|
| ESCALATION 2022 | | | | | | |
| 39. | Reserved Future Use | | | | | |
| 40. | | | | | | |
| 41. | | | | | | |
| 42. | | | | | | |
| 43. | | | | | | |
| 44. | | | | | | |
| 45. | | | | | | |
| 46. | Subtotal | | | | | |
| 47. | Reserved Future Use | | | | | |
| | | | | | | |
| | | | | | | |
| 48. | Total Operating Revenues | | \$33,971,608 | \$35,279,567 | \$1,307,959 | 3.85% |
| 49. | Revenues per Avg Customer | | \$1,551 | \$1,611 | \$60 | 3.85% |
| References: Table 3.18 for revenues @ present rates | | | | | | |
| Table 3.21 for revenues @ proposed rates | | | | | | |

California American Water
San Diego County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | \$12,557,910 | \$11,334,676 | \$12,235,461 | \$12,997,776 | \$14,412,733 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 9,438,109 | 9,102,443 | 9,754,842 | 10,152,264 | 11,027,624 |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 |
| 7. | Public Authority | OPUA | 3,854,947 | 3,077,244 | 3,543,361 | 3,599,285 | 4,237,025 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 172,198 | 135,505 | 188,794 | 169,601 | 114,497 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 195,214 | 200,795 | 196,677 | 201,079 | 214,171 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 26,218,378 | 23,850,662 | 25,919,134 | 27,120,005 | 30,006,051 |

California American Water

San Diego County District - 2019 GRC

OPERATING REVENUES AT PRESENT RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | |
| 26. | Total Water Revenues | | 26,218,378 | 23,850,662 | 25,919,134 | 27,120,005 | 30,006,051 |
| | | | | | | | |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 0 | 0 | 27,332 | 28,239 | 13,660 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 29. | Antenna Leases | ANTL | 19,044 | 19,044 | 0 | 253 | 0 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 15,488 | 77,055 | 179,288 | 161,419 | 183,261 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | | | | | | | |
| 38. | Subtotal Other Revenues | | 34,532 | 96,099 | 206,620 | 189,910 | 196,921 |

California American Water
San Diego County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-------------|---------------------------|-------|--|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$26,252,910 | \$23,946,761 | \$26,125,754 | \$27,309,915 | \$30,202,971 |
| 49. | Revenues per Avg Customer | | \$1,249 | \$1,133 | \$1,232 | \$1,280 | \$1,407 |
| References: | | | Line 41 is sum of lines 32 and 40 | | | | |
| | | | Line 19 is sum of lines 15 thru 18 | | | | |
| | | | Line 32 is sum of lines 22 thru 31 | | | | |
| | | | Line 40 is sum of lines 34 and 39 | | | | |
| | | | Line 42 is sum of lines 20 and 41 | | | | |
| | | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |

California American Water
San Diego County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$) **Filing: Final**
AUTHORIZED AND PROPOSED

| Line No. | Description | Class | Last Authorized Test Year | Estimated | | Proposed Test Year | Escalation Year |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2018 | 2019 | | |
| Metered Water Customers | | | | | | | |
| 1. | Residential | SRES | 14,902,269 | 14,916,359 | 14,987,774 | 15,058,483 | 17,493,850 |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 11,495,312 | 11,195,571 | 11,206,013 | 11,211,228 | 12,087,756 |
| 5. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 |
| 6. | Public Authority | OPUA | 4,166,543 | 3,465,301 | 3,454,870 | 3,434,011 | 3,706,653 |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 128,665 | 234,949 | 246,435 | 257,923 | 304,195 |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 47,864 | 57,703 | 67,446 | 86,222 |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 167,311 | 165,160 | 165,160 | 165,160 | 130,061 |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 30,860,100 | 30,025,204 | 30,117,955 | 30,194,251 | 33,808,737 |

California American Water
San Diego County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|-----------------------|----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2019 | 2020 | | |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 30,860,100 | 30,025,204 | 30,117,955 | 30,194,251 | 33,808,737 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 8,305 | 32,441 | 45,360 | 42,300 | 39,568 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 77,055 | 123,302 | 123,302 | 123,302 | 123,302 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 85,359 | 155,743 | 168,663 | 165,602 | 162,871 |

California American Water
San Diego County District - 2019 GRC
OPERATING REVENUES AT PRESENT RATES (\$) **Filing: Final**
AUTHORIZED AND PROPOSED

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|--------------|--------------|--------------------|-----------------|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$30,945,459 | \$30,180,947 | \$30,286,618 | \$30,359,853 | \$33,971,608 |
| 49. | Revenues per Avg Customer | | \$1,452 | \$1,398 | \$1,396 | \$1,393 | \$1,551 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

California American Water
San Diego County District - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|-----------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | 2021 |
| 2. | Residential | SRES | N/A | -10% | 8% | 6% | 11% | 3% | 0% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -4% | 7% | 4% | 9% | 2% | 0% |
| 6. | Industrial | INDR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Public Authority | OPUA | N/A | -20% | 15% | 2% | 18% | -18% | 0% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -21% | 39% | -10% | -32% | 105% | 5% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 21% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 3% | -2% | 2% | 7% | -23% | 0% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -9% | 9% | 5% | 11% | 0% | 0% |

California American Water
San Diego County District - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|-----------------------|----------------------------|-------|----------------|------|-------|------|-------|---------------------------|--------------------|-----|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| Non-Metered Customers | | | | | | | | | | |
| 20. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Total Water Revenues | | | | | | | | | | |
| 26. | | | N/A | -9% | 9% | 5% | 11% | 0% | 0% | 0% |
| Other Revenues | | | | | | | | | | |
| 27. | Method 5 Revenues | METH | N/A | N/A | N/A | 3% | -52% | 137% | 40% | |
| 28. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 29. | Antenna Leases | ANTL | N/A | 0% | -100% | N/A | -100% | N/A | N/A | N/A |
| 30. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31. | Misc Service Revenues | MISC | N/A | 398% | 133% | -10% | 14% | -33% | 0% | 0% |
| 32. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 33. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | | | N/A | 178% | 115% | -8% | 4% | -21% | 8% | |
| 38. | Subtotal Other Revenues | | N/A | | | | | | | |

California American Water
San Diego County District - 2019 GRC

Filing: Final

OPERATING REVENUES AT PRESENT RATES (\$)

CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PRESENT RATES

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year | |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | | |
| 39. | Reserved Future Use | | | | | | | | | 2021 |
| 40. | | | | | | | | | | |
| 41. | | | | | | | | | | |
| 42. | | | | | | | | | | |
| 43. | | | | | | | | | | |
| 44. | | | | | | | | | | |
| 45. | | | | | | | | | | |
| 46. | Subtotal | | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | | |
| 48. | Total Operating Revenues | | | | | | | | | |
| 49. | Revenues per Avg Customer | N/A | -9% | 9% | 5% | 11% | 0% | 0% | | |
| | | N/A | -9% | 9% | 4% | 10% | -1% | 0% | | |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
RECORDED

Filing: **Final**

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|--------------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers | | | | | | |
| 2. | Residential | SRES | 12,557,910 | 11,334,676 | 12,235,461 | 12,997,776 | 14,412,733 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 9,438,109 | 9,102,443 | 9,754,842 | 10,152,264 | 11,027,624 |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 |
| 7. | Public Authority | OPUA | 3,854,947 | 3,077,244 | 3,543,361 | 3,599,285 | 4,237,025 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 172,198 | 135,505 | 188,794 | 169,601 | 114,497 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 195,214 | 200,795 | 196,677 | 201,079 | 214,171 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 19. | Total Metered Revenues | | 26,218,378 | 23,850,662 | 25,919,134 | 27,120,005 | 30,006,051 |

CALIFORNIA AMERICAN WATER

San Diego County District - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|-----------------------|----------------------------|-------|----------------|------------|------------|------------|------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| Non-Metered Customers | | | | | | | |
| 20. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 21. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 22. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 23. | | | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| Total Water Revenues | | | | | | | |
| 26. | | | 26,218,378 | 23,850,662 | 25,919,134 | 27,120,005 | 30,006,051 |
| Other Revenues | | | | | | | |
| 27. | Method 5 Revenues | METH | 0 | 0 | 27,332 | 28,239 | 13,660 |
| 28. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 29. | Antenna Leases | ANTL | 19,044 | 19,044 | 0 | 253 | 0 |
| 30. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 31. | Misc Service Revenues | MISC | 15,488 | 77,055 | 179,288 | 161,419 | 183,261 |
| 32. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 33. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 34. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 35. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 36. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 37. | | | 34,532 | 96,099 | 206,620 | 189,910 | 196,921 |
| 38. | Subtotal Other Revenues | | | | | | |

CALIFORNIA AMERICAN WATER

San Diego County District - 2019 GRC

OPERATING REVENUES AT PROPOSED RATES (\$)

RECORDED

Filing:

Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|------------------------------------|----------------------------|-------|--|--------------|--------------|--------------|--------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$26,252,910 | \$23,946,761 | \$26,125,754 | \$27,309,915 | \$30,202,971 |
| 49. | Revenues per Avg Customer | | \$1,249 | \$1,133 | \$1,232 | \$1,280 | \$1,407 |
| References: | | | | | | | |
| Line 13 is sum of lines 2 thru 12 | | | Line 41 is sum of lines 32 and 40 | | | | |
| Line 19 is sum of lines 15 thru 18 | | | Line 42 is sum of lines 20 and 41 | | | | |
| Line 32 is sum of lines 22 thru 31 | | | Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | | Estimated | | Proposed Test Year | | Escalation Year | |
|-------------------------|-----------------------------|-------|---------------------------|------------|------------|------------|--------------------|---|-----------------|---|
| | | | 2018 | 2019 | 2020 | 2021 | 2022 | | | |
| Metered Water Customers | | | | | | | | | | |
| 1. | Residential | SRES | 14,902,269 | 14,916,359 | 14,987,774 | 17,423,694 | 18,176,244 | | | |
| 2. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Commercial | COMM | 11,495,312 | 11,195,571 | 11,206,013 | 12,077,248 | 12,554,892 | | | |
| 5. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. | Public Authority | OPUA | 4,166,543 | 3,465,301 | 3,454,870 | 3,717,036 | 3,849,997 | | | |
| 7. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8. | Other | OTHR | 128,665 | 234,949 | 246,435 | 281,363 | 315,959 | | | |
| 9. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13. | Private Fire | RFPS | 0 | 47,864 | 57,703 | 75,245 | 89,543 | | | |
| 14. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | Public Fire | PFPS | 167,311 | 165,160 | 165,160 | 130,061 | 130,061 | | | |
| 16. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Reserved | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18. | Total Metered Revenues | | 30,860,100 | 30,025,204 | 30,117,955 | 33,704,647 | 35,116,696 | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: **Final**

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|----------|----------------------------|-------|---------------------------|------------|------------|--------------------|-----------------|
| | | | | 2019 | 2020 | 2021 | 2022 |
| 20. | Non-Metered Customers | | 0 | | | | |
| 21. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 22. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 23. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 24. | | | 0 | 0 | 0 | 0 | 0 |
| 25. | Total Non-Metered Revenues | | 0 | 0 | 0 | 0 | 0 |
| 26. | Total Water Revenues | | 30,860,100 | 30,025,204 | 30,117,955 | 33,704,647 | 35,116,696 |
| 27. | Other Revenues | | | | | | |
| 28. | Method 5 Revenues | METH | 8,305 | 32,441 | 45,360 | 42,300 | 39,568 |
| 29. | Contract Revenues | CREV | 0 | 0 | 0 | 0 | 0 |
| 30. | Antenna Leases | ANTL | 0 | 0 | 0 | 0 | 0 |
| 31. | Additional NTPS Rev | NTPS | 0 | 0 | 0 | 0 | 0 |
| 32. | Misc Service Revenues | MISC | 77,055 | 123,302 | 123,302 | 123,302 | 123,302 |
| 33. | Late Payment Penalty | LATE | 0 | 0 | 0 | 0 | 0 |
| 34. | Rents | RENT | 0 | 0 | 0 | 0 | 0 |
| 35. | Leak Adjustments | LEAK | 0 | 0 | 0 | 0 | 0 |
| 36. | DSIC | DSIC | 0 | 0 | 0 | 0 | 0 |
| 37. | Other | OTER | 0 | 0 | 0 | 0 | 0 |
| 38. | Subtotal Other Revenues | | 85,359 | 155,743 | 168,663 | 165,602 | 162,871 |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES (\$)
AUTHORIZED AND PROPOSED

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Estimated | Estimated | Proposed Test Year | Escalation Year |
|--|---------------------------|-------|---------------------------|--------------|--------------|--------------------|-----------------|
| | | | | 2019 | 2020 | 2021 | |
| 39. | Reserved Future Use | | | | | | |
| 40. | | | | | | | |
| 41. | | | | | | | |
| 42. | | | | | | | |
| 43. | | | | | | | |
| 44. | | | | | | | |
| 45. | | | | | | | |
| 46. | Subtotal | | 0 | 0 | 0 | 0 | 0 |
| 47. | Reserved Future Use | | | | | | |
| 48. | Total Operating Revenues | | \$30,945,459 | \$30,180,947 | \$30,286,618 | \$33,870,249 | \$35,279,567 |
| 49. | Revenues per Avg Customer | | \$1,452 | \$1,398 | \$1,396 | \$1,554 | \$1,611 |
| References: Line 13 is sum of lines 2 thru 12 | | | | | | | |
| Line 19 is sum of lines 15 thru 18 | | | | | | | |
| Line 32 is sum of lines 22 thru 31 | | | | | | | |
| Line 40 is sum of lines 34 and 39 | | | | | | | |
| Line 41 is sum of lines 32 and 40 | | | | | | | |
| Line 42 is sum of lines 20 and 41 | | | | | | | |
| Line 43 is line 42 divided by line 17 of Tbl 3.4 | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES
CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|--------------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 1. | Metered Water Customers | | | | | | | | |
| 2. | Residential | SRES | N/A | -10% | 8% | 6% | 11% | -18% | 16% |
| 3. | Multiresidential | MRES | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4. | Multiresidential (Mstr Mtr) | MREM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5. | Commercial | COMM | N/A | -4% | 7% | 4% | 9% | -11% | 8% |
| 6. | Industrial | INDR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7. | Public Authority | OPUA | N/A | -20% | 15% | 2% | 18% | -10% | 8% |
| 8. | Sales for Resale | SLFR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9. | Other | OTHR | N/A | -21% | 39% | -10% | -32% | -26% | 14% |
| 10. | Golf Courses | GOLF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11. | Construction | CSTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12. | Irrigation Gravity | IRRG | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13. | Irrigation Pressure | IRRP | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14. | Private Fire | RFPS | N/A | N/A | N/A | N/A | N/A | N/A | 30% |
| 15. | Private Fire Mandated | RFPM | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16. | Public Fire | PFPS | N/A | 3% | -2% | 2% | 7% | 27% | -21% |
| 17. | Hotel | HOTL | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18. | Reserved | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19. | Total Metered Revenues | | N/A | -9% | 9% | 5% | 11% | -14% | 12% |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES
CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|----------|------------------------------|-------|----------------|------|-------|------|-------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 20. | Non-Metered Customers | | | | | | | | |
| 21. | Residential Flat | SREF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22. | Commercial (Flat) | COMF | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23. | Unmetered | UMTR | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24. | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25. | Total Non-Metered Revenues | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26. | Total Water Revenues | | N/A | -9% | 9% | 5% | 11% | -14% | 12% |
| 27. | Other Revenues | | | | | | | | |
| 28. | Method 5 Revenues | METH | N/A | N/A | N/A | 3% | -52% | -18% | -7% |
| 29. | Contract Revenues | CREV | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30. | Antenna Leases | ANTL | N/A | 0% | -100% | N/A | -100% | N/A | N/A |
| 31. | Additional NTPS Rev | NTPS | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32. | Misc Service Revenues | MISC | N/A | 398% | 133% | -10% | 14% | 0% | 0% |
| 33. | Late Payment Penalty | LATE | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34. | Rents | RENT | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35. | Leak Adjustments | LEAK | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36. | DSIC | DSIC | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37. | Other | OTER | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38. | Subtotal Other Revenues | | N/A | 178% | 115% | -8% | 4% | -4% | -2% |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES AT PROPOSED RATES
CALCULATION OF PERCENT CHANGE IN OPERATING REVENUES AT PROPOSED RATES

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | | Last Authorized Test Year | Proposed Test Year |
|---|---------------------------|-------|----------------|------|------|------|------|---------------------------|--------------------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 | | |
| 39. | Reserved Future Use | | | | | | | | |
| 40. | | | | | | | | | |
| 41. | | | | | | | | | |
| 42. | | | | | | | | | |
| 43. | | | | | | | | | |
| 44. | | | | | | | | | |
| 45. | | | | | | | | | |
| 46. | Subtotal | | | | | | | | |
| 47. | Reserved Future Use | | | | | | | | |
| 48. | Total Operating Revenues | | N/A | -9% | 9% | 5% | 11% | -14% | 12% |
| 49. | Revenues per Avg Customer | | N/A | -9% | 9% | 4% | 10% | -13% | 11% |
| References: Recorded year % calculated by dividing the revenues by the prior year level and subtracting 1. Last Authorized % calculated by dividing the 1st est year revenues by last authorized level and subtracting 1. Proposed test year % calculated by dividing the revenues by prior year estimated level and subtracting 1. | | | | | | | | | |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)
RECORDED

Filing: Final

| Line No. | Description | Class | RECORDED YEARS | | | | |
|----------|---------------------------------|-------|----------------|---------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | \$686 | \$617 | \$664 | \$701 | \$771 |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | 0 | 0 |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | 0 | 0 |
| 5. | Commercial | COMM | 4,696 | 4,421 | 4,726 | 4,931 | 5,385 |
| 6. | Industrial | INDR | 0 | 0 | 0 | 0 | 0 |
| 7. | Public Authority | OPUA | 12,681 | 9,616 | 10,970 | 11,390 | 13,624 |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | 0 | 0 |
| 9. | Other | OTHR | 9,567 | 8,469 | 9,440 | 7,067 | 5,725 |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | 0 | 0 |
| 11. | Construction | CSTR | 0 | 0 | 0 | 0 | 0 |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | 0 | 0 |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | 0 | 0 |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | 0 | 0 |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | 0 | 0 |
| 16. | Public Fire | PFPS | 511 | 524 | 514 | 513 | 541 |
| 17. | Hotel | HOTL | 0 | 0 | 0 | 0 | 0 |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | 0 | 0 |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | 0 | 0 |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | 0 | 0 |
| 21. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 22. | Reserved | | 0 | 0 | 0 | 0 | 0 |
| 23. | TOTAL | | \$1,247 | \$1,128 | \$1,222 | \$1,271 | \$1,398 |

CALIFORNIA AMERICAN WATER
San Diego County District - 2019 GRC
OPERATING REVENUES PER CUSTOMER (\$)

Filing: Final

| Line No. | Description | Class | Last Authorized Test Year | Present Rate | | Proposed Rate | |
|----------|---------------------------------|-------|---------------------------|--------------------|---------|--------------------|------|
| | | | | Proposed Test Year | Year | Proposed Test Year | Year |
| | | | 2018 | 2021 | 2021 | 2021 | 2021 |
| 1. | Metered Water Customers: | | | | | | |
| 2. | Residential | SRES | \$804 | \$792 | \$916 | | |
| 3. | Multiresidential | MRES | 0 | 0 | 0 | | |
| 4. | Multiresidential (Mstr Mtr) | MREM | 0 | 0 | 0 | | |
| 5. | Commercial | COMM | 5,561 | 5,477 | 5,900 | | |
| 6. | Industrial | INDR | 0 | 0 | 0 | | |
| 7. | Public Authority | OPUA | 12,860 | 11,077 | 11,990 | | |
| 8. | Sales for Resale | SLFR | 0 | 0 | 0 | | |
| 9. | Other | OTHR | 11,697 | 12,282 | 13,398 | | |
| 10. | Golf Courses | GOLF | 0 | 0 | 0 | | |
| 11. | Construction | CSTR | 0 | 0 | 0 | | |
| 12. | Irrigation Gravity | IRRG | 0 | 0 | 0 | | |
| 13. | Irrigation Pressure | IRRP | 0 | 0 | 0 | | |
| 14. | Private Fire | RFPS | 0 | 0 | 0 | | |
| 15. | Private Fire Mandated | RFPM | 0 | 0 | 0 | | |
| 16. | Public Fire | PFPS | 432 | 418 | 329 | | |
| 17. | Hotel | HOTL | 0 | 0 | 0 | | |
| 18. | Residential Flat | SREF | 0 | 0 | 0 | | |
| 19. | Commercial (Flat) | COMF | 0 | 0 | 0 | | |
| 20. | Unmetered | UMTR | 0 | 0 | 0 | | |
| 21. | Reserved | | | | | | |
| 22. | Reserved | | | | | | |
| 23. | TOTAL | | \$1,448 | \$1,386 | \$1,547 | | |

OpRevPerCusTY(ExAch3.TBL3.24)

**CALIFORNIA AMERICAN WATER
SAN DIEGO DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables of information regarding the calculation of pro forma operating expenses for water service operations presented in the GRC application. Historical individual account information within the California American Water accounting system provided the basis for determining these projected expenses.

Information included in this chapter includes five years of expense information as recorded on the books of California American Water and forecasted expenses for the years 2019, 2020, and Test Year 2021. Workpapers supporting inflation-adjusted five year averages for all administrative, operational and maintenance expenses are submitted as part of the GRC application.

Pro forma operating expenses reflect normalizing adjustments including the removal of non-recurring expense items. The following describes the methodologies used to forecast expenses for the years 2019 through 2021:

Method of Escalating Labor Expenses

Payroll expenses shown for the year 2016 reflect salary information as of April 2019.

Non-union Employee Salaries

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| Non Union | N/A | 2.90% | 3.00% | 3.00% |

Union Employee Salaries Inflation

| | 2019 | 2020 | 2021 | 2022 |
|-----------|-------------|-------------|-------------|-------------|
| San Diego | N/A | N/A | N/A | N/A |

Method of Escalating Non-Labor Expenses

Where appropriate, California American Water used the historical and forecasted inflation rates data prepared by the California Public Advocates (Cal PA) Energy Cost of Service Branch for March 2019. Forecasted inflation rates may include a 5 year historical average customer growth adjustment.

A table showing the inflation factors used is attached to the expense workpapers.

Method of Eliminating Non-Recurring Expenses

Every effort was made to identify and remove non-recurring expense items where applicable from the expense forecast.

The following discussions present additional information regarding the forecasting of operating expenses for this GRC application.

Payroll

Since payroll expenses can be charged to several different operating and capital expense accounts, projected labor charges are shown separately on Table 4.2 of Chapter 4.

**CALIFORNIA AMERICAN WATER
SAN DIEGO DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Payroll expense projections are calculated on an individual employee basis, utilizing current staffing levels and salary information as of April 2019.

The total projected payroll expenses for the San Diego include the following factors and assumptions:

- 1) The number of overtime hours projected for 2019, 2020 and 2021 was based on a historic three year average of recorded overtime from 2016-2018 on a per employee basis. Union employees will be compensated at overtime pay rates in accordance with union contract provisions.
- 2) A historic three-year average of capitalized payroll adjusted for inflation on a per employee basis was used to calculate capitalized payroll for 2019 to 2022.

Operations and Maintenance Expenses

Source of Supply: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Water: Purchased water costs are primarily based on estimated total production, district operations assessments of sources and uses of produced and purchased water, and the current prices and assessments from water provider agencies.

Pumping: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Purchased Power: Purchased power was calculated based on fiscal 2018 kilowatt usage patterns and kilowatt per water production units at average kilowatt costs calculated from most recent 12 months billing data. This fiscal data was escalated and applied to the estimated water production quantities to derive purchased power estimates for 2019 through 2022. The fiscal year data was obtained from billing data of the power providers for the San Diego District.

Water Treatment: Expenses are forecasted based on the standard methodology outlined above.

Transmission & Distribution: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Costs for maintenance of Reservoirs and Tanks for 2019 through 2022 were forecasted based on scheduled tank painting needs and the associated amortization schedule.
- Costs for Comprehensive Planning Studies and Geographic Information Systems were forecasted based on identified needs
- State Water Resources Control Board drinking water fees were forecasted based on 2018 actual with escalation applied

Customer Accounts: Most expenses are forecasted based on the standard methodology outlined above, exceptions include:

- Adjustment for overflow customer calls to the Customer Service Center.
- Uncollectibles expense forecasted based on 5-year average of the annual uncollectible rate applied to forecasted revenues.

Administrative & General Expenses

**CALIFORNIA AMERICAN WATER
SAN DIEGO DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Insurance Other Than Group:

- Expenses forecasted based on specifically identified escalation factors by category
- Expenses adjusted for inclusion of earthquake insurance.

Employees Pension and Benefits:

- Both Pension and OPEB expenses utilized consultant Willis Towers Watson's actuarial conclusions that were performed on behalf of all American Water to obtain its percentage allocation.
- Group insurance escalation factors based on data provided by the Company's corporate office
- Other benefits forecasted based on application of labor escalation factors.

Regulatory Expense:

- California American Water based its estimates on timing of historical costs and its experience with regulatory proceedings.

Other A&G: Most expenses forecasted based on the standard methodology, with the exception of:

- Adjustment for sampling monitoring systems (SAMS) modules.
- Forecast of transportation expense based on cost of leased vehicles and fleet maintenance costs as wells fuel escalation costs

Rents

- Forecasted Real property rent expenses were based on actual lease costs and anticipated future lease agreements.

General Office

General Office and Service Company costs are allocated to each district based upon customer count.

Acquisition Premium

Decision 01-09-057 approved the purchase of the water and wastewater assets of Citizens Utilities by American Water and authorized the recovery of the acquisition premium attributable to California American Water. A portion of the amortization of that premium has been allocated to the San Diego District.

Utility Plant Acquisition Adjustment

The revenue requirement related to the Utility Plant Acquisition Adjustment for the Fruitridge, Rio Plaza, Hillview and Bellflower acquisitions is allocated to each district based upon customer count.

Table Overview

Table 4.1 shows a Summary of Recorded and forecasted O&M Expenses, last authorized Test Year expense levels and allocated General Office, Service Company, Division Cost and Acquisition Premium expenses.

Table 4.2 shows historical and forecasted Payroll information, last authorized Test Year labor expense and staffing levels.

**CALIFORNIA AMERICAN WATER
SAN DIEGO DISTRICT
2019 GENERAL RATE CASE
OPERATING EXPENSES**

**RO REPORT
CHAPTER: 4**

Table 4.3, Table 4.4 and Table 4.5 show historical and forecasted Operating, Maintenance and A&G expenses and last authorized Test Year expense levels.

Table 4.6a and Table 4.6b show recorded, forecasted, and last authorized Test Year O&M Expenses per customer.

Table 4.5b, Table 4.7, and Table 4.8 show Percent Change of recorded, forecasted, and last authorized Test Year O&M Expenses, A&G expenses, and Payroll expenses.

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

SUMMARY OF TOTAL OPERATING EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Summary Description | Recorded Years | | | | |
|----------|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | 2,013.1 | 2,010.5 | 2,035.2 | 2,003.0 | 2,005.9 |
| 2. | Purchased Water | 17,466.1 | 14,651.4 | 18,314.7 | 19,467.6 | 19,865.9 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Chemicals | (0.0) | 0.0 | 0.0 | (0.2) | 0.0 |
| 5. | Operation Expense | 94.8 | 107.8 | 130.5 | 196.3 | 172.0 |
| 6. | Maintenance (excluding Amort Tank Painting) | 79.4 | 39.4 | 69.5 | 112.5 | 81.5 |
| 7. | Amortization of Tank Painting | 13.0 | 13.1 | 18.2 | 14.6 | 16.0 |
| 8. | Customer Accounting | 212.5 | 216.7 | 219.1 | 229.4 | 231.3 |
| 9. | Uncollectible Expense | 142.6 | 116.2 | 128.8 | 137.4 | 130.7 |
| 10. | Insurance | 286.7 | 399.5 | 269.9 | 196.1 | 274.4 |
| 11. | Pensions and Benefits | 593.3 | 450.1 | 651.6 | 677.8 | 598.7 |
| 12. | Regulatory Expenses | 192.4 | 57.3 | 96.3 | 185.2 | 36.5 |
| 13. | Rents | 283.0 | 290.6 | 275.1 | 305.6 | 283.1 |
| 14. | Other Administrative & General | 696.7 | 701.0 | 652.0 | 696.2 | 749.1 |
| 15. | Service Company Costs | 1,589.9 | 1,605.9 | 1,618.2 | 1,433.6 | 1,423.1 |
| 16. | Citizens Acquisiiton Premium | 428.7 | 414.0 | 399.2 | 393.0 | 472.4 |
| 17. | General Office Return on Rate Base | 196.3 | 231.9 | 257.8 | 220.9 | 250.5 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Total Operating Expenses | 24,288.3 | 21,305.4 | 25,136.3 | 26,268.7 | 26,591.0 |
| 23. | Operating Expense per customer ² | 1,149.7 | 1,007.1 | 1,182.1 | 1,227.6 | 1,234.7 |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

SUMMARY OF TOTAL OPERATING EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Summary Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|----------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | 2021 | 2022 | | | |
| | | 2018 | | | | | | |
| 1. | Labor | 2,119.3 | 2,177.7 | 2,240.4 | 2,305.8 | 1,939.8 | Exh A Ch4 Tbl 4.2 | |
| 2. | Purchased Water | 19,853.2 | 19,910.1 | 19,955.9 | 20,020.6 | 20,355.1 | Exh A Ch4 Tbl 4.3 | |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | Exh A Ch4 Tbl 4.3 | |
| 4. | Chemicals | (0.0) | (0.0) | (0.0) | (0.1) | 0.0 | Exh A Ch4 Tbl 4.3 | |
| 5. | Operation Expense | 86.7 | 128.0 | 281.9 | 545.2 | 231.7 | Exh A Ch4 Tbl 4.3 | |
| 6. | Maintenance (excluding Amort Tank Painting) | 99.5 | 101.0 | 102.9 | 105.2 | 79.7 | Exh A Ch4 Tbl 4.4 | |
| 7. | Amortization of Tank Painting | 11.7 | 6.0 | 39.9 | 74.1 | 12.4 | O&M RO | |
| 8. | Customer Accounting | 241.3 | 244.9 | 249.4 | 255.0 | 216.0 | Exh A Ch4 Tbl 4.3 | |
| 9. | Uncollectible Expense | 134.6 | 135.0 | 135.4 | 151.5 | 167.8 | Exh A Ch4 Tbl 4.3 | |
| 10. | Insurance | 244.4 | 254.9 | 423.0 | 428.7 | 299.5 | Exh A Ch4 Tbl 4.5 | |
| 11. | Pensions and Benefits | 526.6 | 597.0 | 610.4 | 640.7 | 531.1 | Exh A Ch4 Tbl 4.5 | |
| 12. | Regulatory Expenses | 184.6 | 184.6 | 66.9 | 267.8 | 126.6 | Exh A Ch4 Tbl 4.5 | |
| 13. | Rents | 279.5 | 288.0 | 344.8 | 327.6 | 288.4 | Exh A Ch4 Tbl 4.5 | |
| 14. | Other Administrative & General | 751.5 | 802.1 | 790.4 | 782.9 | 638.8 | Exh A Ch4 Tbl 4.5 | |
| 15. | Service Company Costs | 1,448.6 | 1,466.6 | 1,492.3 | 1,526.0 | 1,339.4 | Service Co RO | |
| 16. | Citizens Acquisiiton Premium | 474.1 | 476.0 | 478.1 | 480.4 | 477.4 | WP Citizens Acq | |
| 17. | General Office Return on Rate Base | 264.3 | 347.0 | 401.4 | 414.2 | 277.3 | CH09 RO | |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 460.6 | 450.9 | 0.0 | CH02 RO | |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CH02 RO | |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | Total Operating Expenses | 26,719.8 | 27,118.9 | 28,073.5 | 28,776.5 | 26,982.3 | | |
| 23. | Operating Expense per customer ² | 1,234.8 | 1,247.3 | 1,285.1 | 1,311.0 | 1,265.8 | | |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|---------|---------|-----------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Salaries | 2,708.1 | 2,818.4 | 2,902.5 | 2,893.6 | 2,801.6 |
| 2. | Overtime | 112.2 | 134.0 | 116.9 | 129.3 | 142.8 |
| 3. | Total Salaries | 2,820.3 | 2,952.5 | 3,019.4 | 3,023.0 | 2,944.4 |
| 4. | Capitalized Payroll | (807.2) | (942.0) | (984.2) | (1,020.0) | (938.5) |
| 5. | Total Net Payroll | 2,013.1 | 2,010.5 | 2,035.2 | 2,003.0 | 2,005.9 |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 133.5 | 139.6 | 142.0 | 141.3 | 136.7 |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 1.4 | 1.5 | 1.5 | 1.5 | 1.6 |
| 12. | | | | | | |
| 13. | Number of employees | 29.6 | 30.8 | 31.7 | 32.8 | 33.6 |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Year Customers (1,000's) | 21.1 | 21.2 | 21.3 | 21.4 | 21.5 |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

PAYROLL EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Payroll and Employees Include Allocation of General Office

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|-----------|---------------------|-----------------|---------------------------|--------------------|
| | | 2019 | 2020 | | 2021 | 2022 | |
| 1. | Salaries | 3,119.8 | 3,206.6 | 3,299.7 | 3,396.5 | 2,715.2 | RO Labor |
| 2. | Overtime | 125.0 | 128.1 | 131.3 | 134.7 | 116.8 | RO Labor |
| 3. | Total Salaries | 3,244.8 | 3,334.7 | 3,431.0 | 3,531.2 | 2,832.0 | Ln1 + Ln2 |
| 4. | Capitalized Payroll | (1,125.5) | (1,157.0) | (1,190.6) | (1,225.4) | (892.2) | RO Labor |
| 5. | Total Net Payroll | 2,119.3 | 2,177.7 | 2,240.4 | 2,305.8 | 1,939.8 | Ln3 + Ln4 |
| 6. | | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 149.9 | 153.4 | 157.1 | 160.9 | 132.9 | Ln3 / Ln18 |
| 8. | | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | | |
| 10. | | | | | | | |
| 11. | # of employees per thousand customers | 1.6 | 1.6 | 1.5 | 1.5 | 1.5 | Ln13 / Ln18 |
| 12. | | | | | | | |
| 13. | Number of employees | 33.8 | 33.8 | 33.8 | 33.8 | 31.5 | WP O&M-RO |
| 14. | | | | | | | |
| 15. | | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | | |
| 17. | | | | | | | |
| 18. | End of Year Customers (1,000's) | 21.6 | 21.7 | 21.8 | 21.9 | 21.3 | ExhA Tbl 3.1 / 3.2 |
| 19. | | | | | | | |
| 20. | | | | | | | |
| 21. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
SUMMARY OF OPERATION EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|----------|----------|----------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | Operation Expenses (exclude payroll) | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Miscellaneous Expenses | 703 | 0.1 | 0.0 | 0.1 | 0.1 |
| 3. | SS Purchased Water | 704 | 17,466.1 | 14,651.4 | 18,314.7 | 19,467.6 |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | PP Miscellaneous Expenses | 725 | 0.0 | 0.3 | 0.0 | 0.0 |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | WT Operation Labor and Expenses | 742 | 0.0 | 0.0 | 0.0 | 0.4 |
| 9. | WT Miscellaneous Expenses | 743 | 33.6 | 32.7 | 37.0 | 37.4 |
| 10. | WT Chemicals and Filtering Materials | 744 | (0.0) | 0.0 | 0.0 | (0.2) |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.1 | 0.0 | 0.0 |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Miscellaneous Expenses | 756 | 61.1 | 74.7 | 93.4 | 158.4 |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | CA Customer Records and Collection | 773 | 29.7 | 31.6 | 37.8 | 47.5 |
| 18. | CA Miscellaneous Customer Account | 774 | 182.7 | 185.1 | 181.3 | 181.8 |
| 19. | CA Uncollectible Accounts | 775 | 142.6 | 116.2 | 128.8 | 137.4 |
| 20. | Divisional Allocation | | | | | |
| 21. | Total Operation Expenses | | 17,915.9 | 15,092.1 | 18,793.1 | 20,030.4 |
| 22. | O&M Expense per customer ² | | 848.1 | 713.41 | 883.76 | 936.09 |
| | | | | | | 947.24 |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC

SUMMARY OF OPERATION EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|------------|-----------|----------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| | <u>Operation Expenses (exclude payroll)</u> | | | | | | | |
| 1. | SS Operation Labor and Expenses | 702 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Miscellaneous Expenses | 703 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | O&M RO |
| 3. | SS Purchased Water | 704 | 19,853.2 | 19,910.1 | 19,955.9 | 20,020.6 | 20,355.1 | O&M RO |
| 4. | PP Power production Labor and Exp | 722 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | PP Pumping Labor and Expenses | 724 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | PP Miscellaneous Expenses | 725 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | O&M RO |
| 7. | PP Fuel or Power Purchased for Pumping | 726 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | O&M RO |
| 8. | WT Operation Labor and Expenses | 742 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | O&M RO |
| 9. | WT Miscellaneous Expenses | 743 | 35.5 | 36.1 | 36.7 | 37.5 | 37.4 | O&M RO |
| 10. | WT Chemicals and Filtering Materials | 744 | (0.0) | (0.0) | (0.0) | (0.1) | 0.0 | O&M RO |
| 11. | TD Storage Facilities Expenses | 752 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | TD Transmission and Distribution | 753 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 13. | TD Meter Expenses | 754 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 14. | TD Customer Installations Expense | 755 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Miscellaneous Expenses | 756 | 50.9 | 91.7 | 244.9 | 507.5 | 194.1 | O&M RO |
| 16. | CA Meter Reading Expenses | 772 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | CA Customer Records and Collection | 773 | 66.0 | 66.9 | 68.2 | 69.8 | 32.1 | O&M RO |
| 18. | CA Miscellaneous Customer Account | 774 | 175.3 | 177.9 | 181.2 | 185.2 | 183.9 | O&M RO |
| 19. | CA Uncollectible Accounts | 775 | 134.6 | 135.0 | 135.4 | 151.5 | 167.8 | O&M RO |
| 20. | Divisional Allocation | | | | | | 0.0 | |
| 21. | Total Operation Expenses | | 20,315.7 | 20,418.0 | 20,622.5 | 20,972.3 | 20,972.0 | |
| 22. | O&M Expense per customer ⁽²⁾ | | 938.83 | 939.07 | 943.99 | 955.48 | 983.8 | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|------|------|-------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | | | | | | 2018 |
| | Maintenance Expenses | | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | SS Maintenance of Other Source of Supply | 713 | 1.9 | 2.5 | 2.9 | 2.1 |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | PP Maintenance of Other Pumping | 733 | 0.0 | 0.0 | 0.7 | 0.0 |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | TD Maintenance of Transmission and Distr | 761 | 1.8 | 0.0 | 0.8 | 4.1 |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | TD Maintenance of Services | 763 | 1.6 | 0.3 | 0.2 | 0.1 |
| 18. | TD Maintenance of Meters | 764 | 5.9 | 7.1 | 0.9 | 1.3 |
| 19. | TD Maintenance of Hydrants | 765 | 0.9 | 2.2 | 0.1 | 0.3 |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 80.3 | 40.4 | 82.0 | 116.3 |
| 21. | Total Maintenance Expenses | | 92.4 | 52.5 | 87.7 | 127.0 |
| 22. | O&M Expense per customer ² | | 4.4 | 2.5 | 4.1 | 5.9 |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC

Filing: Final

SUMMARY OF MAINTENANCE EXPENSES
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | SS Maintenance of Structures and Impr | 707 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | SS Maint of Collecting and Imp Resrv | 708 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 3. | SS Maintenance of Lake, River and Intakes | 709 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 4. | SS Maintenance of Springs and Tunnels | 710 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 5. | SS Maintenance of Wells | 711 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 6. | SS Maintenance of Supply Mains | 712 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 7. | SS Maintenance of Other Source of Supply | 713 | 2.5 | 2.5 | 2.6 | 2.6 | 1.0 | O&M RO |
| 8. | PP Maintenance of Structures and Impr | 730 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 9. | PP Maintenance of Power Production | 731 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 10. | PP Maintenance of Other Pumping | 733 | 0.1 | 0.1 | 0.1 | 0.1 | 1.2 | O&M RO |
| 11. | WT Maintenance of Structures and Impr | 747 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 12. | WT Maintenance of Wter Treatment | 748 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 13. | TD Maintenance of Structures and Impr | 759 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | O&M RO |
| 14. | TD Maintenance of Reservoirs and Tanks | 760 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 15. | TD Maintenance of Transmission and Distr | 761 | 2.6 | 2.6 | 2.7 | 2.8 | 18.4 | O&M RO |
| 16. | TD Maintenance of Fire Mains | 762 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 17. | TD Maintenance of Services | 763 | 0.9 | 0.9 | 0.9 | 1.0 | 2.0 | O&M RO |
| 18. | TD Maintenance of Meters | 764 | 3.3 | 3.3 | 3.4 | 3.4 | 8.6 | O&M RO |
| 19. | TD Maintenance of Hydrants | 765 | 0.9 | 1.0 | 1.0 | 1.0 | 0.7 | O&M RO |
| 20. | TD Maintenance of Miscellaneous Plant | 766 | 100.8 | 96.5 | 132.0 | 168.3 | 60.1 | O&M RO |
| 21. | Total Maintenance Expenses | | 111.2 | 107.0 | 142.7 | 179.2 | 92.2 | |
| 22. | O&M Expense per customer ² | | 5.1 | 4.9 | 6.5 | 8.2 | 4.3 | |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

SUMMARY OF A&G EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|---|------------|----------------|---------|---------|---------|
| | | | 2014 | 2015 | 2016 | 2017 |
| | <u>Administrative & General Expenses</u> | | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | AG Office Supplies and Other Exp | 792 | 46.9 | 41.7 | 43.2 | 44.2 |
| 3. | AG Property Insurance | 793 | 52.5 | 51.3 | 43.9 | 41.9 |
| 4. | AG Injuries and Damages | 794 | 234.2 | 348.2 | 226.0 | 154.1 |
| 5. | AG Employees' Pensions and Benefits | 795 | 593.3 | 450.1 | 651.6 | 677.8 |
| 6. | AG Regulatory Commission Expenses | 797 | 192.4 | 57.3 | 96.3 | 185.2 |
| 7. | AG Outside Services Employed | 798 | 108.2 | 139.8 | 124.9 | 210.8 |
| 8. | AG Miscellaneous General Expenses | 799 | 499.7 | 469.2 | 422.3 | 369.7 |
| 9. | AG Maintenance of General Plant | 805 | 41.9 | 50.3 | 61.6 | 71.4 |
| 10. | AG Rents | 811 | 283.0 | 290.6 | 275.1 | 305.6 |
| 11. | | | | | | |
| 12. | | | | | | |
| 13. | | | | | | |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | | | | | | |
| 17. | | | | | | |
| 18. | | | | | | |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Total Administrative & General Exp | | 2,052.1 | 1,898.6 | 1,944.9 | 2,060.8 |
| 22. | O&M Expense per customer ² | | 97.1 | 89.7 | 91.5 | 96.3 |
| | | | | | | 90.2 |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

SUMMARY OF A&G EXPENSES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Note: Expenses Include Allocation of General Office Expenses

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|-----------|---------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | AG Admin and General Salaries | 791 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | O&M RO |
| 2. | AG Office Supplies and Other Exp | 792 | 44.8 | 45.5 | 46.3 | 47.4 | 39.2 | O&M RO |
| 3. | AG Property Insurance | 793 | 77.1 | 85.1 | 250.1 | 252.0 | 48.1 | O&M RO |
| 4. | AG Injuries and Damages | 794 | 167.3 | 169.8 | 172.9 | 176.7 | 251.5 | O&M RO |
| 5. | AG Employees' Pensions and Benefits | 795 | 526.6 | 597.0 | 610.4 | 640.7 | 531.1 | O&M RO |
| 6. | AG Regulatory Commission Expenses | 797 | 184.6 | 184.6 | 66.9 | 267.8 | 126.6 | O&M RO |
| 7. | AG Outside Services Employed | 798 | 150.1 | 152.4 | 170.4 | 170.1 | 107.9 | O&M RO |
| 8. | AG Miscellaneous General Expenses | 799 | 499.8 | 546.7 | 515.0 | 505.5 | 461.9 | O&M RO |
| 9. | AG Maintenance of General Plant | 805 | 56.7 | 57.6 | 58.6 | 59.9 | 29.8 | O&M RO |
| 10. | AG Rents | 811 | 279.5 | 288.0 | 344.8 | 327.6 | 288.4 | O&M RO |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| 21. | Total Administrative & General Exp | | 1,986.6 | 2,126.6 | 2,235.6 | 2,447.7 | 1,884.3 | |
| 22. | O&M Expense per customer ² | | 91.8 | 97.8 | 102.3 | 111.5 | 88.4 | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC

Filing: **Final**

EXPENSES PER CUSTOMER (Recorded Years) **Note: Expenses Include Allocation of General Office Expenses**
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | 2,013.1 | 2,010.5 | 2,035.2 | 2,003.0 | 2,005.9 |
| 2. | Purchased Water | 17,466.1 | 14,651.4 | 18,314.7 | 19,467.6 | 19,865.9 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Chemicals | (0.0) | 0.0 | 0.0 | (0.2) | 0.0 |
| 5. | Operation Expense | 94.8 | 107.8 | 130.5 | 196.3 | 172.0 |
| 6. | Maintenance (excluding Amort Tank Painting) | 79.4 | 39.4 | 69.5 | 112.5 | 81.5 |
| 7. | Amortization of Tank Painting | 13.0 | 13.1 | 18.2 | 14.6 | 16.0 |
| 8. | Customer Accounting | 212.5 | 216.7 | 219.1 | 229.4 | 231.3 |
| 9. | Uncollectible Expense | 142.6 | 116.2 | 128.8 | 137.4 | 130.7 |
| 10. | Insurance | 286.7 | 399.5 | 269.9 | 196.1 | 274.4 |
| 11. | Pensions and Benefits | 593.3 | 450.1 | 651.6 | 677.8 | 598.7 |
| 12. | Regulatory Expenses | 192.4 | 57.3 | 96.3 | 185.2 | 36.5 |
| 13. | Rents | 283.0 | 290.6 | 275.1 | 305.6 | 283.1 |
| 14. | Other Administrative & General | 696.7 | 701.0 | 652.0 | 696.2 | 749.1 |
| 15. | Service Company Costs | 1,589.9 | 1,605.9 | 1,618.2 | 1,433.6 | 1,423.1 |
| 16. | Citizens Acquisiiton Premium | 428.7 | 414.0 | 399.2 | 393.0 | 472.4 |
| 17. | General Office Return on Rate Base | 196.3 | 231.9 | 257.8 | 220.9 | 250.5 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | | | | | | |
| 23. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

EXPENSES PER CUSTOMER (Recorded Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

Nte: Expenses Include Allocation of General Office Expenses

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------|-------------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 | 2018 | |
| 1. | Labor | 95.3 | 95.0 | 95.7 | 93.6 | 93.1 | 91.0 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 826.8 | 692.6 | 861.3 | 909.8 | 922.4 | 954.9 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | (0.0) | 0.0 | 0.0 | (0.0) | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 4.5 | 5.1 | 6.1 | 9.2 | 8.0 | 10.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 3.8 | 1.9 | 3.3 | 5.3 | 3.8 | 3.7 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 0.6 | 0.6 | 0.9 | 0.7 | 0.7 | 0.6 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 10.1 | 10.2 | 10.3 | 10.7 | 10.7 | 10.1 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.7 | 5.5 | 6.1 | 6.4 | 6.1 | 7.9 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 13.6 | 18.9 | 12.7 | 9.2 | 12.7 | 14.1 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 28.1 | 21.3 | 30.6 | 31.7 | 27.8 | 24.9 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 9.1 | 2.7 | 4.5 | 8.7 | 1.7 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 13.4 | 13.7 | 12.9 | 14.3 | 13.1 | 13.5 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 33.0 | 33.1 | 30.7 | 32.5 | 34.8 | 30.0 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 75.3 | 75.9 | 76.1 | 67.0 | 66.1 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 20.3 | 19.6 | 18.8 | 18.4 | 21.9 | 22.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 9.3 | 11.0 | 12.1 | 10.3 | 11.6 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | | |
| 21. | | | | | | | | |
| 22. | | | | | | | | |
| 23. | | | | | | | | |

1) Last Authorized Expense Per Customer was calculated using Last Authorized Expenses divided by the Last Authorized Customer Count

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
EXPENSES PER CUSTOMER (Est / Proj Years)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated and Projected Years | | | |
|----------|---|-------------------------------|----------|----------|----------|
| | | 2019 | 2020 | 2021 | 2022 |
| 1. | Labor | 2,119.3 | 2,177.7 | 2,240.4 | 2,305.8 |
| 2. | Purchased Water | 19,853.2 | 19,910.1 | 19,955.9 | 20,020.6 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Chemicals | (0.0) | (0.0) | (0.0) | (0.1) |
| 5. | Operation Expense | 86.7 | 128.0 | 281.9 | 545.2 |
| 6. | Maintenance (excluding Amort Tank Painting) | 99.5 | 101.0 | 102.9 | 105.2 |
| 7. | Amortization of Tank Painting | 11.7 | 6.0 | 39.9 | 74.1 |
| 8. | Customer Accounting | 241.3 | 244.9 | 249.4 | 255.0 |
| 9. | Uncollectible Expense | 134.6 | 135.0 | 135.4 | 151.5 |
| 10. | Insurance | 244.4 | 254.9 | 423.0 | 428.7 |
| 11. | Pensions and Benefits | 526.6 | 597.0 | 610.4 | 640.7 |
| 12. | Regulatory Expenses | 184.6 | 184.6 | 66.9 | 267.8 |
| 13. | Rents | 279.5 | 288.0 | 344.8 | 327.6 |
| 14. | Other Administrative & General | 751.5 | 802.1 | 790.4 | 782.9 |
| 15. | Service Company Costs | 1,448.6 | 1,466.6 | 1,492.3 | 1,526.0 |
| 16. | Citizens Acquisition Premium | 474.1 | 476.0 | 478.1 | 480.4 |
| 17. | General Office Return on Rate Base | 264.3 | 347.0 | 401.4 | 414.2 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 460.6 | 450.9 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |

Note: Expenses Include Allocation of General Office Expenses

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

EXPENSES PER CUSTOMER (Est / Proj Years)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Expenses Per Customer | | | | Last Authorized Test Year ¹ | WP Ref |
|----------|---|-----------------------|-------|-------|-------|--|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | | |
| 1. | Labor | 100.3 | 102.9 | 105.4 | 107.8 | 91.0 | Exh A Ch4 Tbl 4.1 |
| 2. | Purchased Water | 939.8 | 941.2 | 938.4 | 935.6 | 954.9 | Exh A Ch4 Tbl 4.1 |
| 3. | Purchased Power | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | Exh A Ch4 Tbl 4.1 |
| 4. | Chemicals | (0.0) | (0.0) | (0.0) | (0.0) | 0.0 | Exh A Ch4 Tbl 4.1 |
| 5. | Operation Expense | 4.1 | 6.0 | 13.3 | 25.5 | 10.9 | Exh A Ch4 Tbl 4.1 |
| 6. | Maintenance (excluding Amort Tank Painting) | 4.7 | 4.8 | 4.8 | 4.9 | 3.7 | Exh A Ch4 Tbl 4.1 |
| 7. | Amortization of Tank Painting | 0.6 | 0.3 | 1.9 | 3.5 | 0.6 | Exh A Ch4 Tbl 4.1 |
| 8. | Customer Accounting | 11.4 | 11.6 | 11.7 | 11.9 | 10.1 | Exh A Ch4 Tbl 4.1 |
| 9. | Uncollectible Expense | 6.4 | 6.4 | 6.4 | 7.1 | 7.9 | Exh A Ch4 Tbl 4.1 |
| 10. | Insurance | 11.6 | 12.1 | 19.9 | 20.0 | 14.1 | Exh A Ch4 Tbl 4.1 |
| 11. | Pensions and Benefits | 24.9 | 28.2 | 28.7 | 29.9 | 24.9 | Exh A Ch4 Tbl 4.1 |
| 12. | Regulatory Expenses | 8.7 | 8.7 | 3.1 | 12.5 | 5.9 | Exh A Ch4 Tbl 4.1 |
| 13. | Rents | 13.2 | 13.6 | 16.2 | 15.3 | 13.5 | Exh A Ch4 Tbl 4.1 |
| 14. | Other Administrative & General | 35.6 | 37.9 | 37.2 | 36.6 | 30.0 | Exh A Ch4 Tbl 4.1 |
| 15. | Service Company Costs | 68.6 | 69.3 | 70.2 | 71.3 | 62.8 | Exh A Ch4 Tbl 4.1 |
| 16. | Citizens Acquisition Premium | 22.4 | 22.5 | 22.5 | 22.5 | 22.4 | Exh A Ch4 Tbl 4.1 |
| 17. | General Office Return on Rate Base | 12.5 | 16.4 | 18.9 | 19.4 | 13.0 | Exh A Ch4 Tbl 4.1 |
| 18. | Return on and of UPAA | 0.0 | 0.0 | 21.7 | 21.1 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 19. | San Clemente Dam | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Exh A Ch4 Tbl 4.1 |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | | | | | | | |
| 23. | | | | | | | |

Note: Expenses Include Allocation of General Office Expenses 1) Last Authorized Expense Per Customer was calculated using Last Authorized

Expenses divided by the Last Authorized Customer Count

Exp Per Cust ExA CH4 Tbl 4.6b

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|---------|---------|--------|---------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Labor | N/A | -0.1% | 1.2% | -1.6% | 0.1% |
| 2. | Purchased Water | N/A | -16.1% | 25.0% | 6.3% | 2.0% |
| 3. | Purchased Power | N/A | N/A | N/A | N/A | N/A |
| 4. | Chemicals | N/A | -367.8% | -100.0% | N/A | -100.0% |
| 5. | Operation - Source of Supply (SS) | N/A | 13.7% | 21.1% | 50.5% | -12.4% |
| 6. | Maintenance (excluding Amort Tank Painting) | N/A | -50.3% | 76.3% | 61.8% | -27.6% |
| 7. | Amortization of Tank Painting | N/A | 0.4% | 39.1% | -20.1% | 9.7% |
| 8. | Customer Accounting | N/A | 2.0% | 1.1% | 4.7% | 0.9% |
| 9. | Uncollectible Expense | N/A | -18.5% | 10.8% | 6.6% | -4.9% |
| 10. | Insurance | N/A | 39.4% | -32.4% | -27.4% | 40.0% |
| 11. | Pensions and Benefits | N/A | -24.1% | 44.8% | 4.0% | -11.7% |
| 12. | Regulatory Expenses | N/A | -70.2% | 68.0% | 92.3% | -80.3% |
| 13. | Rents | N/A | 2.7% | -5.3% | 11.1% | -7.3% |
| 14. | Other Administrative & General | N/A | 0.6% | -7.0% | 6.8% | 7.6% |
| 15. | Service Company Costs | N/A | 1.0% | 0.8% | -11.4% | -0.7% |
| 16. | Citizens Acquisition Premium | N/A | -3.4% | -3.6% | -1.5% | 20.2% |
| 17. | General Office Return on Rate Base | N/A | 18.1% | 11.2% | -14.3% | 13.4% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | N/A | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | N/A | N/A |
| 20. | | | | | | |
| 21. | | | | | | |
| 22. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 23. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED

Filing: Final

| Line No. | Description | Estimated | | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|--------|--------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | 2021 | | | |
| 1. | Labor | 5.7% | 2.8% | 2.9% | | 2.9% | 15.5% |
| 2. | Purchased Water | -0.1% | 0.3% | 0.2% | | 0.3% | -2.0% |
| 3. | Purchased Power | N/A | N/A | N/A | | N/A | -100.0% |
| 4. | Chemicals | N/A | 1.5% | 1.8% | | 2.2% | N/A |
| 5. | Operation - Source of Supply (SS) | -49.6% | 47.7% | 120.3% | | 93.4% | 21.6% |
| 6. | Maintenance (excluding Amort Tank Painting) | 22.2% | 1.5% | 1.9% | | 2.2% | 29.0% |
| 7. | Amortization of Tank Painting | -27.0% | -48.5% | 563.2% | | 85.7% | 221.3% |
| 8. | Customer Accounting | 4.3% | 1.5% | 1.9% | | 2.2% | 15.5% |
| 9. | Uncollectible Expense | 3.0% | 0.4% | 0.2% | | 11.9% | -19.3% |
| 10. | Insurance | -10.9% | 4.3% | 65.9% | | 1.4% | 41.2% |
| 11. | Pensions and Benefits | -12.0% | 13.4% | 2.2% | | 5.0% | 14.9% |
| 12. | Regulatory Expenses | 406.3% | 0.0% | -63.7% | | 300.0% | -47.1% |
| 13. | Rents | -1.3% | 3.0% | 19.7% | | -5.0% | 19.6% |
| 14. | Other Administrative & General | 0.3% | 6.7% | -1.5% | | -1.0% | 23.7% |
| 15. | Service Company Costs | 1.8% | 1.2% | 1.7% | | 2.3% | 11.4% |
| 16. | Citizens Acquisition Premium | 0.4% | 0.4% | 0.4% | | 0.5% | 0.1% |
| 17. | General Office Return on Rate Base | 5.5% | 31.3% | 15.7% | | 3.2% | 44.7% |
| 18. | Return on and of UPAA | N/A | N/A | N/A | | -2.1% | N/A |
| 19. | San Clemente Dam | N/A | N/A | N/A | | N/A | N/A |
| 20. | | | | | | | |
| 21. | | | | | | | |
| 22. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | | |
| 23. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

PERCENT CHANGE FROM PRIOR YEAR (%)

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|---|-------|--------|-------|-------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | <u>Payroll Expense</u> | | | | | |
| 2. | Salaries | N/A | 4.1% | 3.0% | -0.3% | -3.2% |
| 3. | Overtime | N/A | 19.5% | -12.8% | 10.6% | 10.4% |
| 4. | Total Salaries | N/A | 4.7% | 2.3% | 0.1% | -2.6% |
| 5. | Capitalized Payroll | N/A | 16.7% | 4.5% | 3.6% | -8.0% |
| 6. | Total Net Payroll | N/A | -0.1% | 1.2% | -1.6% | 0.1% |
| 7. | Payroll per thousand customers (in \$000's) | N/A | 4.5% | 1.7% | -0.5% | -3.2% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | N/A | 4.0% | 2.3% | 2.8% | 1.7% |
| 12. | | | | | | |
| 13. | Number of employees | N/A | 4.2% | 2.9% | 3.4% | 2.3% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | N/A | 0.1% | 0.5% | 0.6% | 0.6% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Each % calculated by dividing current year amount by prior year amount and subtracting 1. | | | | |
| 22. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC

Filing: Final

PERCENT CHANGE FROM PRIOR YEAR (%)
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)
Note: % calculations include allocation of General Office costs

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year |
|----------|---|--|-------|---------------------|-----------------|---------------------------|
| | | 2019 | 2020 | | 2021 | 2022 |
| 1. | Salaries | 11.4% | 2.8% | 2.9% | 2.9% | 21.5% |
| 2. | Overtime | -12.5% | 2.5% | 2.6% | 2.6% | 12.4% |
| 3. | Total Salaries | 10.2% | 2.8% | 2.9% | 2.9% | 21.2% |
| 4. | Capitalized Payroll | 19.9% | 2.8% | 2.9% | 2.9% | 33.5% |
| 5. | Total Net Payroll | 5.7% | 2.8% | 2.9% | 2.9% | 15.5% |
| 6. | | | | | | |
| 7. | Payroll per thousand customers (in \$000's) | 9.7% | 2.3% | 2.4% | 2.4% | 18.2% |
| 8. | | | | | | |
| 9. | <u>Number of Employees</u> | | | | | |
| 10. | | | | | | |
| 11. | # of employees per thousand customers | 0.2% | -0.5% | -0.5% | -0.5% | 4.7% |
| 12. | | | | | | |
| 13. | Number of employees | 0.7% | 0.0% | 0.0% | 0.0% | 7.3% |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | <u>Number of Customers</u> | | | | | |
| 17. | | | | | | |
| 18. | End of Period Customers | 0.5% | 0.5% | 0.5% | 0.5% | 2.5% |
| 19. | | | | | | |
| 20. | | | | | | |
| 21. | Calculation Reference: | Last Authorized % calculated by dividing last authorized amount by test year amount and subtracting 1. | | | | |
| 22. | | | | | | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables with historical information for the years 2014 through 2018 regarding taxes based on factors other than taxable income. These tables also contain estimates of such taxes for the years 2019 through 2022. The tables are presented as follows:

Table 5.1 – Total Taxes Other Than Income Taxes

This table summarizes calculations of taxes based on factors other than taxable income for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

FICA/Medicare Taxes/FUTA/SUI

Payroll taxes include state unemployment insurance, federal unemployment insurance, federal social security taxes and federal Medicare taxes. Payroll tax rates were applied to the estimated wage tax base to derive payroll tax estimates charged to operating expenses for Estimated Years 2019 and 2020, Test Year 2018 and Escalation Year 2019. The various tax rates used for these calculations are discussed below.

Estimates for payroll taxes were based on current information from federal and state payroll tax publications. Payroll tax estimates take into consideration various wage limits included in current tax provisions. The following are the tax rates and wage limits used in the calculations:

- 1) FICA – 6.20% for the first \$118,500 of total wages for 2021, 2022 and 2023
- 2) Medicare – 1.45% of total wages for 2021 through 2023
- 3) FUTA – 0.6% for the first \$7,000 of total wages for 2021 through 2023
- 4) SUI – 6.20% for the first \$7,000 of total wages for 2021 through 2023

Ad Valorem Taxes

The calculation of estimated ad valorem taxes was based on a similar procedure used for water utilities by the county taxing authority. Information regarding the various components of the ad valorem tax calculation was obtained from other chapters and sections of the RO model and recorded ad valorem taxes as referenced in this Table.

Ad valorem taxes recorded on the books of California American Water for the years 2014 through 2018 were compared to the year-end net rate base amount and the resulting average ratio was applied to the forecasted net rate base to estimate ad valorem taxes for Estimated Years 2019 and 2020, Test Year 2021 and Escalation Year 2022.

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Recorded Years | | | |
|----------|--------------------------------|------------|----------------|-------|-------|-------|
| | | | 2014 | 2015 | 2016 | 2017 |
| 1. | Ad Valorem | 507 | 170.6 | 168.0 | 151.5 | 162.7 |
| 2. | Franchise Taxes | 507 | 0.0 | 0.0 | 3.6 | (0.0) |
| 3. | Payroll Taxes | 507 | 155.6 | 154.8 | 154.4 | 148.8 |
| 4. | Other | 507 | 0.4 | 0.1 | 0.6 | 0.5 |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | Total Other Taxes | | 326.5 | 322.9 | 310.1 | 312.0 |
| 9. | Other Tax Expense per customer | | 15.5 | 15.26 | 14.58 | 14.58 |
| | | | | | | 14.09 |

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

SUMMARY OF OTHER TAXES

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | PUC Acct # | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--------------------------------|------------|-----------|-------|---------------------|-----------------|---------------------------|-----------|
| | | | 2019 | 2020 | | | | |
| 1. | Ad Valorem | 507 | 194.3 | 236.1 | 273.5 | 297.4 | 192.3 | OTAX RO |
| 2. | Franchise Taxes | 507 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | OTAX RO |
| 3. | Payroll Taxes | 507 | 153.4 | 156.7 | 160.3 | 163.9 | 160.0 | OTAX RO |
| 4. | Other | 507 | 0.4 | 0.4 | 0.5 | 0.5 | 0.9 | OTAX RO |
| 5. | Non-Utility | 538 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | Total Other Taxes | | 348.8 | 394.0 | 434.9 | 462.5 | 353.1 | |
| 9. | Other Tax Expense per customer | | 16.12 | 18.12 | 19.91 | 21.07 | 16.6 | |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

This chapter contains tables regarding the calculation of taxes based on income. The tables are presented as follows:

Table 6.1 – Calculation of Income Taxes at Present Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2020, and Attrition Year 2021 at the current or anticipated present rates in effect at the time.

Table 6.2 – Calculation of Income Taxes at Proposed Rates

This table contains a calculation of state and federal income taxes for Test Year 2021, Escalation Year 2022, and Attrition Year 2023 if the tariff rates proposed by California American Water in this application are approved.

Information About Calculations

The methods used to compute taxable income are as follows:

- 1) Operating Revenues as shown on Chapter 2 – Tables 2.2 and 2.3 of the RO Report.
- 2) Total Operating Expenses and Uncollectibles as shown on Chapter 2- Tables 2.2 and 2.3 of the RO Report.
- 3) Book Depreciation as shown on Chapter 2 – Tables 2.2 and 2.3. California American Water has adopted FAS 109 and defers the difference between depreciation recorded on its books and depreciation used to calculate its taxable income.
- 4) Domestic Production Activity Deduction was calculated based on Internal Revenue Code Section 199 guidelines. Section 199 provides for a tax deduction based on qualified production activity income or wages whichever is less.
- 5) Rate Making Interest Expense was calculated using the Interest Synchronization Method that requires the application of the weighted cost of debt used in the calculation of the Rate of Return shown on Exhibit C to the net rate base shown on Chapter 9- Table 9.2 of the RO Report.
- 6) Taxes Other Than Income Taxes as shown on Exhibit A, Chapter 2, Tables 2.2 and 2.3.

- 7) Deferred Taxes can constitute one or more of the following:
- a. Investment Tax Credits that include the amortization of amounts deferred in previous years in accordance with previous provisions of the Federal Tax Code.
 - b. An adjustment to taxable net income resulting from the write-off of deferred income taxes amounts that resulted from a decrease in prior tax rates from 46% to 35%, known as the reverse South Georgia method. Additional deferred income taxes resulting from the reverse South Georgia method decrease have been grossed-up in accordance with FAS 109.
 - c. Additional deferred taxes resulting from bonus depreciation.

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | Estimated Year | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|-------------------------------------|----------------|----------------|------------------------|------------------------------|----------------|-----------------|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 30,180.9 | 30,286.6 | 30,359.9 | 33,971.6 | 35,280.0 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | | | |
| 3. | Operating Exps less uncollectibles | 26,585.2 | 26,983.9 | 27,938.2 | 28,625.0 | 28,765.8 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 134.6 | 135.0 | 135.4 | 151.5 | 151.5 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 1,165.0 | 1,297.9 | 1,442.8 | 1,573.0 | 1,703.1 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 657.1 | 831.5 | 1,043.3 | 1,201.8 | 1,360.3 | CH09, Tbl 9.2 |
| 8. | General Taxes | 348.8 | 394.0 | 434.9 | 462.5 | 482.4 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (6.4) | (6.5) | (6.6) | (6.8) | (6.9) | O&M RO |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | | | |
| 12. | Federal | 28,884.3 | 29,635.8 | 30,987.9 | 32,007.0 | 32,456.2 | Sum(Ln3...Ln10) |
| 13. | State | 28,884.3 | 29,635.8 | 30,987.9 | 32,007.0 | 32,456.2 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PRESENT RATES (\$1,000's)

Filing: Final

| Line No. | Description | Estimated Year | | Test Year @ 2018 Rates | Escalation Year @ 2021 Rates | Attrition Year | Reference |
|----------|---|----------------|--------|------------------------|------------------------------|----------------|--|
| | | 2019 | 2020 | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 1,296.6 | 650.8 | (628.1) | 1,964.6 | 2,823.8 | Calculated Ln13 X % N/A |
| 15. | State Income Tax @ (see below) | 114.6 | 57.5 | (55.5) | 173.7 | 249.6 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 114.6 | 57.5 | (55.5) | 173.7 | 249.6 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 1,182.0 | 536.2 | (685.6) | 1,711.2 | 2,535.0 | Calculated Ln19 X % WP Amort ITC |
| 20. | Federal Income Tax @ (See below) | 248.2 | 112.6 | (144.0) | 359.4 | 532.4 | |
| 21. | Less: Amort Deferred Federal ITC | (5.4) | (5.1) | (5.1) | (5.1) | (5.1) | |
| 22. | Less: Amort Excess Deferred Taxes | 0.0 | 0.0 | (97.9) | (98.1) | (99.1) | |
| 23. | FEDERAL INCOME TAX | 242.9 | 107.6 | (246.9) | 256.2 | 428.2 | Sum(Ln20...Ln22) |
| 24. | TOTAL TAXES ON INCOME | 357.5 | 165.1 | (302.5) | 429.8 | 677.8 | Ln18 + Ln 23 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: | Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are therefore, calculated at the District / Division level. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|----------|-------------------------------------|-----------|-----------------|----------------|----------------|
| | | 2021 | 2022 | 2023 | |
| 1. | Operating Revenues | 33,870.5 | 35,280.0 | 36,174.7 | CH02, Tbl 2.3 |
| 2. | Operating Revenue Deductions: | | | | |
| 3. | Operating Exps less uncollectibles | 27,938.2 | 28,625.0 | 28,765.8 | CH02, Tbl 2.3 |
| 4. | Uncollectibles | 151.0 | 157.3 | 155.5 | CH02, Tbl 2.3 |
| 5. | Reserved | 0.0 | 0.0 | 0.0 | |
| 6. | Book Depreciation | 1,442.8 | 1,573.0 | 1,703.1 | CH02, Tbl 2.3 |
| 7. | Interest Expense | 1,043.3 | 1,201.8 | 1,360.3 | CH09, Tbl 9.2 |
| 8. | General Taxes | 434.9 | 462.5 | 482.4 | CH02, Tbl 2.3 |
| 9. | Non-deductible Meals | (6.6) | (6.8) | (6.9) | CH06, Tbl 6.1 |
| 10. | Reserved | 0.0 | 0.0 | 0.0 | |
| 11. | Total Operating Revenue Deductions: | | | | |
| 12. | Federal | 31,003.6 | 32,012.8 | 32,460.2 | Sum(Ln3...Ln9) |
| 13. | State | 31,003.6 | 32,012.8 | 32,460.2 | Ln12 - Ln 5 |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
CALCULATION OF TAXES ON INCOME
AT PROPOSED RATES (\$1,000's)

Filing: Final

| Line No. | Description | Test Year | Escalation Year | Attrition Year | Reference |
|---|-----------------------------------|-----------|-----------------|----------------|---|
| | | 2021 | 2022 | 2023 | |
| 14. | Taxable Income - State | 2,866.9 | 3,267.2 | 3,714.5 | Calculated Ln13 X % CH06, Tbl 6.1 |
| 15. | State Income Tax @ (see below) | 253.4 | 288.8 | 328.4 | |
| 16. | Less: Amort Deferred State ITC | 0.0 | 0.0 | 0.0 | |
| 17. | Reserved | 0.0 | 0.0 | 0.0 | |
| 18. | STATE INCOME TAXES | 253.4 | 288.8 | 328.4 | Ln15 + Ln 16 |
| 19. | Taxable Income - Federal | 2,809.3 | 3,013.8 | 3,425.7 | Calculated Ln18 X % CH06, Tbl 6.1 |
| 20. | Federal Income Tax @ (See below) | 590.0 | 632.9 | 719.4 | |
| 21. | Less: Amort Deferred Federal ITC | (5.1) | (5.1) | (5.1) | |
| 22. | Less: Amort Excess Deferred Taxes | (97.9) | (98.1) | (99.1) | |
| 23. | FEDERAL INCOME TAX | 487.0 | 529.7 | 615.2 | Ln19 + Ln 20 |
| 24. | TOTAL TAXES ON INCOME | 740.4 | 818.5 | 943.6 | Ln17 + Ln 21 |
| 25. | State Income Tax Rate | 8.84% | 8.84% | 8.84% | Statutory Rate |
| 26. | Federal Income Tax Rate | 21.00% | 21.00% | 21.00% | Statutory Rate |
| Note: Income Taxes are not calculated at the General Office level. All costs and components are allocated to each District Division. Income Taxes are thereofore, calculated at the District / Division level. | | | | | |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding utility plant in service in the San Diego District of California American Water for each of the years 2014 through 2022.

The utility plant in service for 2018 is the last recorded year of information from the books and records of California American Water. The SCEP work paper (Capital Budget) details the additions from 2019 through 2022 projected to be in service and/or under construction.

The retirements for all projects are calculated based in an adjusted 5 year average of retirements to plant additions as calculated from recorded results. This calculation is for the projected for years 2019-2022. All other years reflect actual retirements from 2014 through 2018.

This chapter includes tables of information presented as follows:

Table 7.1 – This table contains a calculation of Weighted Average Utility Plant in Service as recorded for the years 2014 through 2018, the estimated years 2019-2020, the Test year 2021 and the Escalation year 2022. This table also reflects the last authorized Test year of 2018

Table 7.2 – This table contains a calculation of the beginning and ending plant balances for the years 2014 through 2022.

Table 7.3 – This table contains reflects the weighted average utility plant per customer and the annual percent increase in utility plant in service – all for the years 2014 through 2022.

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|---|---|----------------|-----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 31,581.9 | 31,861.4 | 36,553.6 | 39,036.8 | 40,788.0 |
| 2. | Gross Additions During Year | 1,843.0 | 4,805.3 | 2,665.4 | 1,980.8 | 1,784.2 |
| 3. | Retirements | 1,370.7 | 113.1 | 182.1 | 229.7 | 418.5 |
| 4. | Sales and Adjustments | (192.8) | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | Net Additions | 279.5 | 4,692.2 | 2,483.2 | 1,751.1 | 1,365.8 |
| 6. | Construction Work in Progress Beg. Bal. | 857.3 | 3,418.4 | 691.2 | 1,021.1 | 2,576.4 |
| 7. | Construction Work in Progress End Bal. | 3,418.4 | 691.2 | 1,021.1 | 2,576.4 | 4,350.4 |
| 8. | Net Change During Year - CWIP | 2,561.1 | (2,727.2) | 330.0 | 1,555.2 | 1,774.0 |
| 9. | Total Beg. Utility Plant and CWIP | 32,439.2 | 35,279.8 | 37,244.8 | 40,058.0 | 43,364.3 |
| 10. | Net Additions - Total | 2,840.6 | 1,964.9 | 2,813.2 | 3,306.4 | 3,139.8 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | 47.72% |
| 12. | Weighted Average Utility Plant | 33,794.8 | 36,217.5 | 38,587.2 | 41,635.7 | 44,862.6 |
| (1) Refer to PLT RO for detailed calculation for each District(s) | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Reference |
|--|---|-----------|----------|---------------------|----------|-----------------|---------------------------|-------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2018 | |
| 1. | Plant in Service Beg. of Year | 42,153.7 | 48,886.9 | 54,228.4 | 57,056.6 | | 42,123.0 | PLT RO |
| 2. | Gross Additions During Year | 6,837.2 | 5,398.9 | 2,891.6 | 3,313.6 | | 1,431.9 | PLT RO |
| 3. | Retirements | 104.0 | 57.4 | 63.5 | 62.6 | | 92.7 | PLT RO |
| 4. | Sales and Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | L5-L2+L3 |
| 5. | Net Additions | 6,733.2 | 5,341.5 | 2,828.1 | 3,251.0 | | 1,339.2 | PLT RO |
| 6. | Construction Work in Progress Beg. Bal. | 4,350.4 | 5,085.6 | 10,632.4 | 14,400.3 | | 494.8 | PLT RO |
| 7. | Construction Work in Progress End Bal. | 5,085.6 | 10,632.4 | 14,400.3 | 19,638.5 | | 3,886.4 | L7+L6 |
| 8. | Net Change During Year - CWIP | 735.2 | 5,546.8 | 3,767.9 | 5,238.3 | | 3,391.6 | PLT RO |
| 9. | Total Beg. Utility Plant and CWIP | 46,504.1 | 53,972.5 | 64,860.9 | 71,456.8 | | 42,617.8 | L1+L6 |
| 10. | Net Additions - Total | 7,468.4 | 10,888.3 | 6,596.0 | 8,489.3 | | 4,730.8 | L5+L8 |
| 11. | 6 Year Average Weighting Factor (1) | 47.72% | 47.72% | 47.72% | 47.72% | | 41.10% | CH07 PLT RO |
| 12. | Weighted Average Utility Plant | 50,068.0 | 59,168.4 | 68,008.5 | 75,507.9 | | 44,562.1 | L9+L10*L11 |
| (1) Refer to PLT RO for detailed calculation for each year | | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|-------------------------------|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Plant in Service Beg. of Year | 31,581.9 | 31,861.4 | 36,553.6 | 39,036.8 | 40,788.0 |
| 2. | Gross Additions During Year | 1,843.0 | 4,805.3 | 2,665.4 | 1,980.8 | 1,784.2 |
| 3. | MISC Adjustments | (192.8) | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | Less Retirements | 1,370.7 | 113.1 | 182.1 | 229.7 | 418.5 |
| 5. | Plant in Service End. of Year | 31,861.4 | 36,553.6 | 39,036.8 | 40,788.0 | 42,153.7 |
| 6. | | | | | | |
| 7. | | | | | | |
| 8. | | | | | | |
| 9. | | | | | | |
| 10. | | | | | | |
| 11. | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Weighted Average Utility Plant In Service
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|-------------------------------|-----------|----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Plant in Service Beg. of Year | 42,153.7 | 48,886.9 | 54,228.4 | 57,056.6 | 42,123.0 | EXA Tbl 7.1 |
| 2. | Gross Additions During Year | 6,837.2 | 5,398.9 | 2,891.6 | 3,313.6 | 1,431.9 | EXA Tbl 7.1 |
| 3. | MISC Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | EXA Tbl 7.1 |
| 4. | Less Retirements | 104.0 | 57.4 | 63.5 | 62.6 | 92.7 | EXA Tbl 7.1 |
| 5. | Plant in Service End. of Year | 48,886.9 | 54,228.4 | 57,056.6 | 60,307.6 | 43,462.2 | Ln1+Ln2+Ln3-Ln4 |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant | 33,794.8 | 36,217.5 | 38,587.2 | 41,635.7 | 44,862.6 |
| 2. | Average Customers | 21,027.0 | 21,142.0 | 21,211.0 | 21,332.0 | 21,468.0 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 1.6 | 1.7 | 1.8 | 2.0 | 2.1 |
| 4. | Change in Weighted Average Utility Plant | N/A | 2,422.7 | 2,369.7 | 3,048.5 | 3,226.9 |
| 5. | Percent of Increase in Weighted Average Utility Plant | N/A | 7.17% | 6.54% | 7.90% | 7.75% |
| 6. | Percent of Incr. in Wgthd Avg Utility Plant Per Customer | N/A | 0.0003% | 0.0003% | 0.0004% | 0.0004% |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase
RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|--|-----------|----------|---------------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | | | | | |
| 1. | Weighted Average Utility Plant | 50,068.0 | 59,168.4 | 68,008.5 | 75,507.9 | 44,562.1 | 23,446.3 | EXA Tbl 7.1 |
| 2. | Average Customers | 21,588.0 | 21,692.0 | 21,793.0 | 21,898.0 | 21,317.0 | 476.0 | ExACh3 TBL3.4,3.5 |
| 3. | Weighted Average Utility Plant Per Avg. Customer | 2.3 | 2.7 | 3.1 | 3.4 | 2.1 | 49.3 | Ln1 / Ln2 |
| 4. | Change in Weighted Average Utility Plant | 5,205.4 | 9,100.4 | 8,840.0 | 7,499.5 | N/A | 23,446.3 | Calculated |
| 5. | Percent of Increase in Weighted Average Utility Plant | 11.60% | 18.18% | 14.94% | 11.03% | N/A | 52.61% | Calculated |
| 6. | Percent of Incr. in Wghtd Avg Utility Plant Per Customer | 0.0005% | 0.0008% | 0.0007% | 0.0005% | N/A | 0.0025% | Ln2 / Ln5 |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the accumulated reserve for Depreciation and annual Depreciation expense for the San Diego District of California American Water.

California American Water proposes to include the depreciation reserve calculated in this Chapter in the determination of the net rate base for its San Diego District. Detailed information regarding projections of those balances for the 2019-2020 Base Years, the 2021 Test Year and the 2022 Escalation Year are included on separate Tables of this Chapter as follows:

Table 8.1 – This table contains a calculation of the Weighted Depreciation Reserve as recorded for the years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 8.2 – This table contains a calculation of the beginning and ending balances for the years 2013 through 2019 for the San Diego District.

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 13,161.6 | 12,223.9 | 12,705.5 | 13,196.3 | 13,670.4 |
| 2. | Annual Accrual Including CIAC Depreciation | 754.2 | 799.5 | 877.1 | 933.1 | 1,001.7 |
| 3. | | | | | | |
| 4. | Retirements/Debits to Depreciation | 1,370.7 | 113.1 | 182.1 | 229.7 | 418.5 |
| 5. | (Salvage) and Cost of Removal | (234.5) | (204.7) | (204.2) | (229.7) | (159.2) |
| 6. | Depreciation Reserve Adjustments | (86.7) | 0.0 | 0.0 | 0.4 | 0.0 |
| 7. | | | | | | |
| 8. | Net Accrual | (937.8) | 481.7 | 490.8 | 474.1 | 424.0 |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.14% |
| 10. | Weighted Average Depreciation | (442.1) | 227.1 | 231.3 | 223.5 | 199.9 |
| 11. | Weighted Average Deprecation Reserve | 12,719.6 | 12,450.9 | 12,936.9 | 13,419.8 | 13,870.2 |
| | (1) Refer to DEPR RO for detailed calculation for District(s) | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Weighted Average Plant Reserve
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|-----------|----------|---------------------|-----------------|---------------------------|-----------------|
| | | 2019 | 2020 | | | | |
| 1. | Depreciation Reserve Beg. of Year | 14,094.4 | 14,960.3 | 15,966.9 | 17,065.0 | 13,987.8 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 1,072.6 | 1,182.1 | 1,269.6 | 1,339.4 | 989.8 | DEPR RO |
| 3. | | | | | | | |
| 4. | Retirements/Debits to Depreciation | 104.0 | 57.4 | 63.5 | 62.6 | 92.7 | EXA Tbl 7.1 |
| 5. | (Salvage) and Cost of Removal | (102.7) | (118.0) | (108.1) | (251.3) | (157.2) | DEPR RO |
| 6. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | Ln8-Ln2+Ln4-Ln5 |
| 7. | | | | | | | |
| 8. | Net Accrual | 865.9 | 1,006.7 | 1,098.0 | 1,025.5 | 739.9 | DEPR RO |
| 9. | 6 Year Average Weighting Factor (1) | 47.14% | 47.14% | 47.14% | 47.14% | 47.58% | Ln11-Ln1)/Ln8 |
| 10. | Weighted Average Depreciation | 408.2 | 474.6 | 517.6 | 483.4 | 352.0 | L8xL9 |
| 11. | Weighted Average Depreciation Reserve | 14,502.5 | 15,434.8 | 16,484.6 | 17,548.4 | 14,339.9 | Ln1+Ln10 |
| | (1) Refer to DEPR RO for detailed calculation for Distr | | | | | | |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|----------|----------|----------|----------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Depreciation Reserve Beg. of Year | 13,161.6 | 12,223.9 | 12,705.5 | 13,196.3 | 13,670.4 |
| 2. | Annual Accrual Including CIAC Depreciation | 754.2 | 799.5 | 877.1 | 933.1 | 1,001.7 |
| 3. | | | | | | |
| 3. | Retirements/Debits to Depreciation | 1,370.7 | 113.1 | 182.1 | 229.7 | 418.5 |
| 4. | (Salvage) and Cost of Removal | (234.5) | (204.7) | (204.2) | (229.7) | (159.2) |
| 5. | Depreciation Reserve Adjustments | (86.7) | 0.0 | 0.0 | 0.4 | 0.0 |
| 6. | | | | | | |
| 7. | Depreciation Reserve End of Year | 12,223.9 | 12,705.5 | 13,196.3 | 13,670.4 | 14,094.4 |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC

Filing: Final

Calculation of Weighted Average Utility Plant In Service

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|--|-----------|----------|---------------------|-----------------|---------------------------|-----------|
| | | 2019 | 2020 | | 2022 | 2018 | |
| 1. | Depreciation Reserve Beg. of Year | 14,094.4 | 14,960.3 | 15,966.9 | 17,065.0 | 13,987.8 | DEPR RO |
| 2. | Annual Accrual Including CIAC Depreciation | 1,072.6 | 1,182.1 | 1,269.6 | 1,339.4 | 989.8 | DEPR RO |
| 3. | | | | | | | |
| 3. | Retirements/Debits to Depreciation | 104.0 | 57.4 | 63.5 | 62.6 | 92.7 | DEPR RO |
| 4. | (Salvage) and Cost of Removal | (102.7) | (118.0) | (108.1) | (251.3) | (157.2) | DEPR RO |
| 5. | Depreciation Reserve Adjustments | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DEPR RO |
| 6. | | | | | | | DEPR RO |
| 7. | Depreciation Reserve End of Year | 14,960.3 | 15,966.9 | 17,065.0 | 18,090.5 | 14,727.7 | DEPR RO |

DISCUSSION OF INFORMATION SHOWN IN THIS CHAPTER

This Chapter contains detailed information regarding the various components of utility plant in service and other investments that have been made or are forecasted to be made by California American Water in property required to provide quality service to customers in its San Diego District. The amount of those investments is reduced by externally financed investments as summarized on Table 9.1 in order to arrive at the net cost of the rate base that will be in place between December 31, 2020 and December 31, 2022.

Detailed information supporting California American Water forecasts and rate base calculations are included as separate Tables of this Chapter as follows:

Table 9.1 – This table contains a calculation of Weighted Average Rate Base for the recorded years 2014 through 2018, the Base years of 2019 and 2020, the Test year of 2021, the Escalation year of 2022 and the last authorized Test year of 2018.

Table 9.2 – This table contains a calculation of Weighted Average Rate Base per customer for the years 2014 – 2022 and the increase in Weighted Average Rate Base for the same period.

CALIFORNIA-AMERICAN WATER COMPANY

San Diego County District - 2019 GRC

Calculation of Weighted Average Rate Base

RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing:

Final

| Line No. | Description | Recorded Years | | | | |
|----------|---|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | Weighted Average Utility Plant in Service | 33,794.8 | 36,217.5 | 38,587.2 | 41,635.7 | 44,862.6 |
| 2. | Materials and Supplies | 113.4 | 107.0 | 115.7 | 230.3 | 140.7 |
| 3. | Working Cash, Operational | 638.3 | 581.8 | 837.3 | 1,359.4 | 1,040.0 |
| 4. | Working Cash, Lead Lag | 1,099.0 | 1,099.0 | 938.1 | 1,052.7 | 1,037.5 |
| 5. | SUBTOTAL | 35,645.4 | 38,005.2 | 40,478.3 | 44,278.2 | 47,080.9 |
| 6. | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | |
| 8. | Weighted Average Depreciation Reserve | (12,719.6) | (12,450.9) | (12,936.9) | (13,419.8) | (13,870.2) |
| 9. | Advances for Construction | (142.0) | (95.5) | (159.3) | (236.3) | (155.4) |
| 10. | Unamortized Advances (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | Contributions in Aid of Construction | (2,483.3) | (2,615.7) | (2,989.4) | (5,360.5) | (7,527.6) |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | Accumulated Deferred Federal Income Taxes | (450.4) | (793.0) | (983.9) | (817.2) | (1,465.6) |
| 14. | Accumulated Deferred State Income Taxes | (124.9) | (272.9) | (537.2) | (562.4) | (495.4) |
| 15. | SUBTOTAL DEDUCTIONS | (15,920.1) | (16,228.1) | (17,606.6) | (20,396.0) | (23,514.1) |
| 16. | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 19,725.3 | 21,777.1 | 22,871.7 | 23,882.2 | 23,566.8 |
| 18. | Weighted Cost of Debt | 3.12% | 3.12% | 3.12% | 3.12% | 2.51% |
| 19. | Rate Making Interest | 615.4 | 679.4 | 713.6 | 745.1 | 591.5 |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Weighted Average Rate Base
RECORDED - AUTHORIZED - PROPOSED (\$1,000's)

Filing: Final

| Line No. | Description | Estimated | | Projected Test Year | Escalation Year | Last Authorized Test Year | Reference |
|----------|---|------------|------------|---------------------|-----------------|---------------------------|--------------|
| | | 2019 | 2020 | | | | |
| 1. | Weighted Average Utility Plant in Service | 50,068.0 | 59,168.4 | 68,008.5 | 75,507.9 | 44,562.1 | RB RO |
| 2. | Materials and Supplies | 150.2 | 152.5 | 155.3 | 158.7 | 127.2 | RB RO |
| 3. | Working Cash, Operational | 1,165.2 | 1,086.3 | 1,588.0 | 1,459.7 | 9.8 | RB RO |
| 4. | Working Cash, Lead Lag | 717.0 | 735.2 | 831.2 | 842.7 | 1,037.5 | RB RO |
| 5. | SUBTOTAL | 52,100.5 | 61,142.4 | 70,583.0 | 77,969.0 | 45,736.7 | Sum (L1:L4) |
| 6. | | | | | | | |
| 7. | LESS DEDUCTIONS FROM RATE BASE | | | | | | |
| 8. | Weighted Average Depreciation Reserve | (14,502.5) | (15,434.8) | (16,484.6) | (17,548.4) | (14,339.9) | RB RO |
| 9. | Advances for Construction | (59.9) | (48.7) | (37.4) | (26.1) | (61.6) | RB RO |
| 10. | Unamortized Advances (20 Yr Amort) | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | RB RO |
| 11. | Contributions in Aid of Construction | (8,699.5) | (9,719.5) | (9,601.5) | (9,479.9) | (2,781.2) | RB RO |
| 12. | Unamortized Contributions (20 Yr Amort) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | RB RO |
| 13. | Accumulated Deferred Federal Income Taxes | (2,151.8) | (2,300.6) | (2,346.4) | (2,414.2) | (1,967.9) | RB RO |
| 14. | Accumulated Deferred State Income Taxes | (506.6) | (511.5) | (547.7) | (619.6) | (679.6) | RB RO |
| 15. | SUBTOTAL DEDUCTIONS | (25,920.4) | (28,015.1) | (29,017.6) | (30,088.3) | (19,830.2) | Sum (L7:L14) |
| 16. | | | | | | | |
| 17. | WEIGHTED AVERAGE RATE BASE | 26,180.1 | 33,127.3 | 41,565.4 | 47,880.8 | 25,906.5 | L5+L15 |
| 18. | Weighted Cost of Debt | 2.51% | 2.51% | 2.51% | 2.51% | 2.51% | RB RO |
| 19. | Rate Making Interest | 657.1 | 831.5 | 1,043.3 | 1,201.8 | 650.3 | L17 x L18 |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Recorded Years | | | | |
|----------|--|----------------|------------|------------|------------|------------|
| | | 2014 | 2015 | 2016 | 2017 | 2018 |
| 1. | WEIGHTED AVERAGE RATE BASE | \$19,725.3 | \$21,777.1 | \$22,871.7 | \$23,882.2 | \$23,566.8 |
| 2. | Average Customers | 21,027.0 | 21,142.0 | 21,211.0 | 21,332.0 | 21,468.0 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 0.9 | 1.0 | 1.1 | 1.1 | 1.1 |
| 4. | Change in Weighted Average Rate Base | N/A | 2,051.8 | 1,094.5 | 1,010.5 | (315.4) |
| 5. | Percent of Increase in Weighted Average Rate Base | N/A | 10.40% | 5.03% | 4.42% | -1.32% |
| 6. | Percent of Incr. in Wghtd Avg Rate Base Per Customer | N/A | 0.0005% | 0.0002% | 0.0002% | -0.0001% |

CALIFORNIA-AMERICAN WATER COMPANY
San Diego County District - 2019 GRC
Calculation of Wgtd Avg UPIS & Percent of
Increase

Filing: Final

RECORDED - AUTHORIZED - PROPOSED
(\$1,000's)

| Line No. | Description | Estimated | | Projected Test Year | | Escalation Year | Last Authorized Test Year | Last Authorized VS Test Year | Reference |
|----------|---|------------|------------|---------------------|------------|-----------------|---------------------------|------------------------------|-------------------|
| | | 2019 | 2020 | 2021 | 2022 | 2022 | 2018 | | |
| 1. | WEIGHTED AVERAGE RATE BASE | \$26,180.1 | \$33,127.3 | \$41,565.4 | \$47,880.8 | \$47,880.8 | \$25,906.5 | \$15,658.9 | RB RO |
| 2. | Average Customers | 21,588.0 | 21,692.0 | 21,793.0 | 21,898.0 | 21,898.0 | 21,317.0 | 476.0 | ExAch3 TBL3.4,3.5 |
| 3. | Weighted Average Rate Base Per Avg. Customer | 1.2 | 1.5 | 1.9 | 2.2 | 2.2 | 1.21529561 | 32.9 | L1/L2 |
| 4. | Change in Weighted Average Rate Base | 2,613.3 | 6,947.2 | 8,438.1 | 6,315.4 | 6,315.4 | N/A | 15,658.9 | Calculated |
| 5. | Percent of Increase in Weighted Average Rate Base | 11.09% | 26.54% | 25.47% | 15.19% | 15.19% | N/A | 60.44% | Calculated |
| 6. | Percent of Incr. in Wgtd Avg Rate Base Per Customer | 0.0005% | 0.0012% | 0.0012% | 0.0007% | 0.0007% | N/A | 0.0028% | L2/L5 |

DISCUSSION OF INFORMATION PRESENTED IN THIS CHAPTER

Tables in this chapter contain information regarding an analysis of billing information by customer class for the San Diego District. The analysis prices the average level of consumption using current tariff rates and rates proposed by California American Water for customers in its San Diego District in this application. The information is presented as follows:

Table 10.1 - These tables contain a comparison of bills at the average level of consumption at both present rates and rates California American Water proposes to become effective January 1, 2021 for customers in its San Diego District.

Table 10.2 - This table contains information about tariff rates currently in effect for customers of the San Diego District of California American Water.

Table 10.3 - This table contains information about tariff rates California American Water proposes be placed into effect on January 1, 2021 for customers of its San Diego District.

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| San Diego Current | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 66.82 | | |
| Customer Class | Residential | | |

| San Diego Proposed | | | |
|--|-------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 66.82 | | |
| Customer Class | Residential | | |

| San Diego Current | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$6.96 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 60.00 | \$0.7555 | \$45.33 |
| Tier 3 | 6.82 | \$0.8489 | \$5.79 |
| Tier 4 | 0.00 | \$1.2500 | \$0.00 |
| Tier 4 | 0.00 | \$1.6787 | \$0.00 |
| Total Usage Charge (100 Gal) | 66.82 | | \$51.12 |
| Subtotal Base Bill | | | \$58.08 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 66.82 | \$0.0135 | \$0.90 |
| CEBA | 66.82 | \$0.0180 | \$1.20 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 66.82 | \$0.0791 | \$5.29 |
| Purchased Water | 66.82 | \$0.0238 | \$1.59 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | \$10.79 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.84 |
| License Tax | | 2.00% | \$1.36 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$2.20 |
| Total Bill | | | \$71.07 |

| San Diego Proposed | | | |
|------------------------------|------------|-----------------|-----------|
| Water Service Charge | 5/8 x 3/4" | | \$17.34 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 59.70 | \$0.7720 | \$46.09 |
| Tier 3 | 7.12 | \$0.8577 | \$6.11 |
| Tier 4 | 0.00 | \$1.2008 | \$0.00 |
| Tier 4 | 0.00 | \$1.5825 | \$0.00 |
| Total Usage Charge (100 Gal) | 66.82 | | \$52.19 |
| Subtotal Base Bill | | | \$69.54 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 66.82 | \$0.0062 | \$0.42 |
| CEBA | 66.82 | \$0.0055 | \$0.37 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 66.82 | \$0.0791 | \$5.29 |
| Purchased Water | 66.82 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | \$8.18 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$0.95 |
| License Tax | | 2.00% | \$1.55 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | \$2.50 |
| Total Bill | | | \$80.21 |

**CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS**

| San Diego Current | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 490.30 | | |
| Customer Class | Commercial | | |

| San Diego Proposed | | | |
|--|------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 5/8 x 3/4" | | |
| Estimated consumption (CGL's) | 490.30 | | |
| Customer Class | Commercial | | |

| San Diego Current | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$6.96 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 490.30 | \$0.8489 | \$416.20 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 490.30 | | \$416.20 |
| Subtotal Base Bill | | | |
| | | | \$423.16 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 490.30 | \$0.0135 | \$6.63 |
| CEBA | 490.30 | \$0.0180 | \$8.83 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 490.30 | \$0.0791 | \$38.78 |
| Purchased Water | 490.30 | \$0.0238 | \$11.67 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$67.71 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$5.96 |
| License Tax | | 2.00% | \$9.68 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$15.64 |
| Total Bill | | | |
| | | | \$506.51 |

| San Diego Proposed | | | |
|----------------------------------|------------|-----------------|-----------------|
| Water Service Charge | 5/8 x 3/4" | | \$17.34 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 490.30 | \$0.8577 | \$420.54 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 490.30 | | \$420.54 |
| Subtotal Base Bill | | | |
| | | | \$437.88 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 490.30 | \$0.0062 | \$3.06 |
| CEBA | 490.30 | \$0.0055 | \$2.71 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 490.30 | \$0.0791 | \$38.78 |
| Purchased Water | 490.30 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$46.66 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$5.92 |
| License Tax | | 2.00% | \$9.63 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$15.55 |
| Total Bill | | | |
| | | | \$500.10 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| San Diego Current | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 988.03 | | |
| Customer Class | Public Authority | | |

| San Diego Proposed | | | |
|--|------------------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 2" | | |
| Estimated consumption (CGL's) | 988.03 | | |
| Customer Class | Public Authority | | |

| San Diego Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$55.68 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 988.03 | \$0.8489 | \$838.72 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 988.03 | | \$838.72 |
| Subtotal Base Bill | | | |
| | | | \$894.40 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 988.03 | \$0.0135 | \$13.35 |
| CEBA | 988.03 | \$0.0180 | \$17.78 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 988.03 | \$0.0791 | \$78.15 |
| Purchased Water | 988.03 | \$0.0238 | \$23.51 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$134.62 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$12.49 |
| Franchise Fee | | 2.00% | \$20.31 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$32.81 |
| Total Bill | | | |
| | | | \$1,061.82 |

| San Diego Proposed | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 2" | | \$138.76 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 988.03 | \$0.8577 | \$847.46 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 988.03 | | \$847.46 |
| Subtotal Base Bill | | | |
| | | | \$986.22 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 988.03 | \$0.0062 | \$6.16 |
| CEBA | 988.03 | \$0.0055 | \$5.47 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 988.03 | \$0.0791 | \$78.15 |
| Purchased Water | 988.03 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$91.89 |
| Taxes and Fees: | | | |
| Commission Surcharge | | Rates | Charge |
| License Tax | | 1.23% | \$13.18 |
| Franchise Fee | | 2.00% | \$21.44 |
| | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$34.62 |
| Total Bill | | | |
| | | | \$1,112.74 |

CALIFORNIA AMERICAN WATER
CURRENT AND PROPOSED AVG BILLS
DETAILED VIEW OF BILL IMPACTS

| San Diego Current | | | |
|--|-----------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 1,088.91 | | |
| Customer Class | Other | | |

| San Diego Proposed | | | |
|--|-----------|--|--|
| # Days in Billing period: | 30 | | |
| Locality | San Diego | | |
| Low Income Ratepayer Assistance (LIRA) | No | | |
| Meter Size | 3" | | |
| Estimated consumption (CGL's) | 1,088.91 | | |
| Customer Class | Other | | |

| San Diego Current | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 3" | | \$104.40 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1088.91 | \$0.8489 | \$924.35 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1088.91 | | \$924.35 |
| Subtotal Base Bill | | | |
| | | | \$1,028.75 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1088.91 | \$0.0135 | \$14.72 |
| CEBA | 1088.91 | \$0.0180 | \$19.60 |
| LIRA | Flat | \$1.81 | \$1.81 |
| WRAM/MCBA | 1088.91 | \$0.0791 | \$86.13 |
| Purchased Water | 1088.91 | \$0.0238 | \$25.91 |
| High Cost Fund | Flat | \$0.0000 | \$0.00 |
| Subtotal Surcharges | | | |
| | | | \$148.17 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$14.30 |
| License Tax | | 2.00% | \$23.24 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$37.54 |
| Total Bill | | | |
| | | | \$1,214.46 |

| San Diego Proposed | | | |
|----------------------------------|-----------|-----------------|-------------------|
| Water Service Charge | 3" | | \$260.17 |
| Water Usage Charge: | | | |
| Tier 1 | Rate/Unit | Units (per CGL) | Charge |
| Tier 2 | 1088.91 | \$0.8577 | \$933.99 |
| Tier 3 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Tier 4 | 0.00 | | \$0.00 |
| Total Usage Charge (100 Gal) | 1088.91 | | \$933.99 |
| Subtotal Base Bill | | | |
| | | | \$1,194.16 |
| Surcharges: | Units | Rates | Surcharge |
| Conservation | 1088.91 | \$0.0062 | \$6.79 |
| CEBA | 1088.91 | \$0.0055 | \$6.03 |
| LIRA | Flat | \$1.81 | \$1.8100 |
| WRAM/MCBA | 1088.91 | \$0.0791 | \$86.13 |
| Purchased Water | 1088.91 | \$0.0000 | \$0.00 |
| High Cost Fund | Flat | \$0.2939 | \$0.29 |
| Subtotal Surcharges | | | |
| | | | \$101.06 |
| Taxes and Fees: | | Rates | Charge |
| Commission Surcharge | | 1.23% | \$15.85 |
| License Tax | | 2.00% | \$25.77 |
| Franchise Fee | | 0.00% | \$0.00 |
| Subtotal Taxes & Fees | | | |
| | | | \$41.62 |
| Total Bill | | | |
| | | | \$1,336.83 |

EXHIBIT B

EXHIBIT B – MINIMUM DATA REQUIREMENTS

SEE VOLUMES FILED
SEPARATELY BY
SECTION LETTER

EXHIBIT C

NORTHERN DIVISION

Para más información sobre este aviso por favor llame al número 1-888-237-1333

**Notice of General Rate Case Application filed by California American Water for an Increase in Water Rates
Northern Division
(APPLICATION NO. A.19-XX-XX)**

California American Water has filed a General Rate Case (GRC) application with the California Public Utilities Commission (CPUC) to increase customers' rates beginning January 1, 2021. This GRC will cover the years 2021-2023.

The Application

The CPUC requires California American Water to file a GRC every three years. On July 1, 2019, California American Water filed a GRC requesting revenue increases of \$25,999,900 (or 10.60%) for 2021, \$9,752,500 (or 3.59%) for 2022, and \$10,754,500 (or 3.82%) for 2023. If approved by the CPUC, the total revenue increase for all three years, for the Northern Division, would be \$13,560,300 (or 20.28%). The GRC includes revenue requirement information, the anticipated cost to run the water company's systems, new infrastructure investments, a request to increase rates to cover anticipated costs and other requests the water company deems necessary to run its business.

Customer Impact

The proposed revenue increases for each district in the Northern Division are shown below.

| Northern Division-Proposed Revenue Increase (Includes Service Areas in Sacramento, Dunnigan, Geyserville, Larkfield, Meadowbrook, Dunnigan Wastewater, and the Proposed Acquisitions of Fruitridge Vista and Hillview.) | | | | | | | |
|--|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------------|
| | 2021 | | 2022 | | 2023 | | |
| Customer Class | \$ Increase | % Increase | \$ Increase | % Increase | \$ Increase | % Increase | Total \$ Increase |
| Residential | 3,153,776 | 8.18% | 2,401,593 | 5.75% | 2,203,455 | 4.99% | 7,758,824 |
| Commercial | 1,507,030 | 7.76% | 1,203,012 | 5.73% | 1,106,123 | 4.99% | 3,816,165 |
| Industrial | (15,734) | -0.96% | 111,544 | 6.90% | 86,170 | 4.99% | 181,980 |
| Public Authority | 262,679 | 7.40% | 225,397 | 5.90% | 201,849 | 4.99% | 689,925 |
| Other | 126 | 30.00% | 34 | 6.23% | 29 | 4.99% | 189 |
| Residential Fire Protection Service | 30,708 | 8.36% | 24,920 | 5.71% | 23,018 | 4.99% | 78,646 |
| Private Fire Protection Service | 342,842 | 26.81% | 3,419 | 0.21% | 81,040 | 4.99% | 427,301 |
| Residential Flat | 302,455 | 18.81% | 171,936 | 9.00% | 103,839 | 4.99% | 578,230 |
| Mobile Home Residential (Sewer) | 4,064 | 8.36% | 3,008 | 5.71% | 2,778 | 4.99% | 9,850 |
| Commercial (Sewer) | 69 | 8.45% | 50 | 5.64% | 47 | 4.99% | 166 |
| Total | 5,588,015 | | 4,144,913 | | 3,808,347 | | 13,541,275 |

If California American Water's General Rate Case is approved, a typical residential customer's monthly water bills (with a 5/8-inch meter size) would resemble those below. **Rate impacts may vary due to pending proposed changes in rate design. Amounts shown include fees, taxes, and surcharges.**

| Sacramento District (including service areas in Sacramento County, Geyserville, and Dunnigan) Average Residential Bill | | | | | | |
|---|------------|--------------------------------|--------------|-------------|---------------|------------|
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | 85.65 | \$ 58.30 | \$ 6.72 | \$ 65.02 | 11.53% |
| 2022 | 5/8-inch | 85.65 | \$ 65.02 | \$ 3.71 | \$ 68.73 | 5.71% |
| 2023 | 5/8-inch | 85.65 | \$ 68.73 | \$ 3.43 | \$ 72.16 | 4.99% |
| Larkfield District Average Residential Bill | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | 65.83 | \$ 97.11 | \$ (5.53) | \$ 91.58 | -5.70% |
| 2022 | 5/8-inch | 65.83 | \$ 91.58 | \$ - | \$ 91.58 | 0.00% |
| 2023 | 5/8-inch | 65.83 | \$ 91.58 | \$ - | \$ 91.58 | 0.00% |
| Meadowbrook District- Average Residential Bill | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | 129.4 | \$ 58.59 | \$ 10.57 | \$ 69.16 | 18.04% |
| 2022 | 5/8-inch | 129.4 | \$ 69.16 | \$ 3.95 | \$ 73.11 | 5.71% |
| 2023 | 5/8-inch | 129.4 | \$ 73.11 | \$ 3.65 | \$ 76.75 | 4.99% |
| Dunnigan WW- Average Residential Bill | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | NA | N/A | \$ 34.48 | \$ 3.18 | \$ 37.66 | 9.22% |
| 2022 | NA | N/A | \$ 37.66 | \$ 2.15 | \$ 39.81 | 5.71% |
| 2023 | NA | N/A | \$ 39.81 | \$ 1.99 | \$ 41.79 | 4.99% |

Primary Drivers of Rate Increase

There is an ongoing need to invest in the infrastructure that provides safe reliable water for our customers. The proposed rate increases will:

- sustain new infrastructure investments
- allow higher depreciation

- support increased labor costs
- fund centralized services including information technology and laboratory costs

Obtaining a Copy of the Application

A copy of California American Water's proposed GRC application and related exhibits may be reviewed at California American Water's offices at the locations below:

- Sacramento Area – 4701 Beloit Drive, Sacramento, CA 95838
- Sonoma County – 4787 Old Redwood Highway, Santa Rosa, CA 95403

Copies of the proposed application are also available to review at the CPUC's Central Files Office in San Francisco by appointment. For more information, please contact them at aljcentralfilesid@cpuc.ca.gov or (415) 703-2045.

The CPUC's Process

This application will be assigned to an Administrative Law Judge (Judge) who will determine how to receive evidence and other related documents necessary for the CPUC to establish a record upon which to base its decision. Evidentiary hearings may be held where utilities, consumer advocacy groups, and other entities which have been given official status as "parties" will present their testimony and may be subject to cross-examination by other parties. These evidentiary hearings are open to the public, but only those who are parties may participate. The hearings and documents submitted in the proceeding become part of the formal record that the Judge relies upon when writing a proposed decision to present to the Commissioners for their consideration.

After considering all proposals and all evidence presented during the formal hearing process, the Judge will issue a proposed decision determining whether to adopt California American Water's request, modify it, or deny it. Any of the CPUC's Commissioners may sponsor an alternate decision. The proposed decision and any alternate decisions will be discussed and voted upon at a scheduled Commission Voting Meeting.

The Public Advocates Office (Cal PA) may review this application. Cal PA is the independent consumer advocate within the CPUC with a legislative mandate to represent investor-owned utility customers to obtain the lowest possible rate for service consistent with reliable and safe service levels. Cal PA has a multi-disciplinary staff with expertise in economics, finance, accounting, and engineering. For more information about Cal PA, please call (415) 703-1584, e-mail PublicAdvocatesOffice@cpuc.ca.gov, or visit Cal PA's website at <http://www.publicadvocates.cpuc.ca.gov/>

Stay Informed

If you would like to follow this proceeding, or any other issue before the CPUC, you may use the CPUC's free subscription service. Sign up at <http://subscribecpuc.cpuc.ca.gov/>.

If you would like to learn how you can participate in the proceeding, have informal comments, or have questions about the CPUC's processes, you may access the CPUC's Public Advisor's webpage at <http://consumers.cpuc.ca.gov/pao/>. You may also contact the Public Advisor as follows:

Email: public.advisor@cpuc.ca.gov

Write: Public Advisor's Office, 505 Van Ness Avenue, San Francisco, CA 94102.

Call: Toll free 1-866-849-8390; TTY toll free 1-866-836-7825

Please reference **California American Water's GRC Application No. 19-XX-XXX** in any communications you have with the CPUC regarding this matter. All public comments will become part of the public correspondence file for this proceeding and be made available for review for the assigned Judge, the Commissioners, and appropriate CPUC staff.

CENTRAL DIVISION

Para más información sobre este aviso por favor llame al número 1-888-237-1333

**Notice of General Rate Case Application filed by California American Water for an Increase in Water Rates
Central Division
(APPLICATION NO. A.19-XX-XX)**

California American Water has filed a General Rate Case (GRC) application with the California Public Utilities Commission (CPUC) to increase customers' rates beginning January 1, 2021. This GRC will cover the years 2021-2023.

The Application

The CPUC requires California American Water to file a GRC every three years. On July 1, 2019, California American Water filed a GRC requesting revenue increases of \$25,999,900 (or 10.60%) for 2021, \$9,752,500 (or 3.59%) for 2022, and \$10,754,500 (or 3.82%) for 2023. If approved by the CPUC, the total revenue increase for all three years, for the Central Division, would be \$8,384,800 (or 12.22%). If approved by the CPUC, the total revenue increase for all three years, for the Monterey Wastewater, would be \$780,600 (or 23.49%). The GRC includes revenue requirement information, the anticipated cost to run the water company's systems, new infrastructure investments, a request to increase rates to cover anticipated costs and other requests the water company deems necessary to run its business.

Customer Impact

The proposed revenue increases for each district in the Central Division are shown below.

| <u>Central Division-Proposed Revenue Increase</u> (Includes Monterey Main and Central-Satellite Districts) | | | | | | | |
|---|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------------|
| | 2021 | | 2022 | | 2023 | | |
| <u>Customer Class</u> | <u>\$ Increase</u> | <u>% Increase</u> | <u>\$ Increase</u> | <u>% Increase</u> | <u>\$ Increase</u> | <u>% Increase</u> | <u>Total \$ Increase</u> |
| Residential | 1,608,673 | 4.23% | 1,633,040 | 4.12% | 1,374,598 | 3.33% | 4,616,311 |
| Multiresidential | 185,925 | 3.09% | 257,896 | 4.16% | 215,170 | 3.33% | 658,991 |
| Commercial | 848,979 | 4.43% | 830,846 | 4.15% | 694,944 | 3.33% | 2,374,769 |
| Industrial | 6,584 | 3.27% | 8,642 | 4.16% | 7,212 | 3.33% | 22,438 |
| Public Authority | 219,625 | 5.95% | 162,501 | 4.16% | 135,703 | 3.33% | 517,829 |
| Sales for Resale | 4,112 | 39.68% | 602 | 4.16% | 502 | 3.33% | 5,216 |
| Construction | 51,525 | 22.12% | 11,761 | 4.14% | 9,868 | 3.33% | 73,154 |
| Residential Fire Protection Service | 46 | 0.02% | 49 | 0.02% | 9,622 | 3.33% | 9,717 |
| Private Fire Protection Service | 49,255 | 7.37% | 0 | 0.00% | 23,897 | 3.33% | 73,152 |
| Total | 2,974,724 | | 2,905,337 | | 2,471,517 | | 8,351,578 |

If California American Water's General Rate Case is approved, a typical residential customer's monthly water bills (with a 5/8-inch meter size) would resemble those below. **Rate impacts may vary due to pending proposed changes in rate design. Amounts shown include fees, taxes, and surcharges.**

| Monterey Main District Average Residential Bill | | | | | | |
|--|------------|--------------------------------|--------------|-------------|---------------|------------|
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | 37.91 | 89.40 | 8.621 | 98.02 | 9.64% |
| 2022 | 5/8-inch | 37.91 | 98.02 | 3.992 | 102.02 | 4.07% |
| 2023 | 5/8-inch | 37.91 | 102.02 | 3.399 | 105.42 | 3.33% |
| Central Satellites Service Area Average Residential Bill (Includes Ambler, Toro, Ralph Lane, and Garrapata. | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | 99.08 | 129.88 | -5.84 | 124.04 | -4.50% |
| 2022 | 5/8-inch | 99.08 | 124.04 | 3.86 | 127.90 | 3.11% |
| 2023 | 5/8-inch | 99.08 | 127.90 | 3.98 | 131.88 | 3.11% |
| Chualar Service Area Average Residential Bill | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | 146.73 | 41.99 | 1.25 | 43.23 | 2.97% |
| 2022 | 5/8-inch | 146.73 | 43.23 | 1.34 | 44.58 | 3.11% |
| 2023 | 5/8-inch | 146.73 | 44.58 | 1.39 | 45.96 | 3.11% |

Wastewater (active and passive)

With High Cost Fund

California American Water's revenue proposals for wastewater customers if a high cost fund is approved are shown by customer class in the chart below.

| MOWW Division-Proposed Revenue Increase WITH High Cost Fund | | | | | | | | |
|--|--|-------------|------------|-------------|------------|-------------|------------|-------------------|
| Service Area | Customer Class | 2021 | | 2022 | | 2023 | | Total \$ Increase |
| | | \$ Increase | % Increase | \$ Increase | % Increase | \$ Increase | % Increase | |
| MOWW - Village Greens | Residential & Small Commercial (Sewer - Passive) | 2,325 | 16.00% | 527 | 3.13% | 562 | 3.24% | 3,414 |
| MOWW - White Oaks | Residential & Small Commercial (Sewer - Passive) | 4,121 | 16.00% | 933 | 3.12% | 997 | 3.24% | 6,051 |

| | | | | | | | | |
|-----------------------|--|----------|--------|---------|-------|---------|-------|---------|
| MOWW - Oak Hills | Residential & Small Commercial (Sewer - Passive) | 45,859 | 16.00% | 10,393 | 3.13% | 11,093 | 3.24% | 67,345 |
| MOWW - Spreckels | Residential & Small Commercial (Sewer - Passive) | 24,726 | 16.00% | 5,604 | 3.13% | 5,981 | 3.24% | 36,311 |
| MOWW - Spreckels | Large Commercial (Sewer - Passive) | 5,705 | 16.00% | 1,293 | 3.13% | 1,380 | 3.24% | 8,378 |
| MOWW - Spreckels | Industrial (Sewer - Passive) | 2,535 | 15.99% | 575 | 3.13% | 613 | 3.24% | 3,723 |
| MOWW - Spreckels | Public Authority (School) (Sewer - Passive) | 476 | 16.02% | 107 | 3.10% | 115 | 3.24% | 698 |
| MOWW - Indian Springs | Residential & Small Commercial (Sewer - Active) | (15,154) | -6.17% | 8,906 | 3.13% | 9,506 | 3.24% | 3,258 |
| MOWW - Pasadera | Residential & Small Commercial (Sewer - Active) | (22,323) | -6.17% | 13,118 | 3.13% | 14,002 | 3.24% | 4,798 |
| MOWW - Pasadera | Commercial (Sewer - Active) | (1,270) | -6.17% | 746 | 3.12% | 797 | 3.24% | 273 |
| MOWW - Las Palmas | Residential (Sewer - Active) | (90,473) | -6.17% | 53,166 | 3.13% | 56,749 | 3.24% | 19,442 |
| MOWW - Las Palmas | Commercial (Sewer - Active) | 1,086 | 12.31% | 320 | 3.13% | 342 | 3.24% | 1,747 |
| MOWW - Las Palmas | Golf Course (Sewer - Active) | 616 | 10.47% | 213 | 3.12% | 228 | 3.24% | 1,057 |
| MOWW - CV Ranch | Residential (Sewer - Active) | (27,314) | -6.17% | 16,051 | 3.13% | 17,133 | 3.24% | 5,870 |
| MOWW - CV Ranch | Hotel (Sewer - Active) | 33,561 | 15.85% | 7,680 | 3.13% | 8,197 | 3.24% | 49,438 |
| | Total | (35,524) | | 119,632 | | 127,694 | | 211,802 |

Customer Impact

An average residential customer's bills with a high-cost fund for wastewater customers are shown in the chart below. The 2021 examples shown below are calculated using current rates as of June 2019.

| Monterey Wastewater Active System – Average Residential Bill <u>WITH</u> High Cost Fund | | | | |
|---|--------------|-------------|---------------|------------|
| YEAR | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 126.51 | -1.42 | 125.09 | -1.12% |
| 2022 | 125.09 | 3.91 | 129.00 | 3.13% |
| 2023 | 129.00 | 4.17 | 133.17 | 3.24% |

| Monterey Wastewater Passive System – Average Residential Bill <u>WITH</u> High Cost Fund |
|--|
|--|

| YEAR | Current Bill | \$ Increase | Proposed Bill | % Increase |
|------|--------------|-------------|---------------|------------|
| 2021 | 56.80 | 15.78 | 72.58 | 27.78% |
| 2022 | 72.58 | 2.27 | 74.85 | 3.13% |
| 2023 | 74.85 | 2.42 | 77.27 | 3.24% |

Wastewater (active and passive)

Without High Cost Fund

The proposed revenue increases without a high-cost fund for wastewater customers are shown in the chart below by customer class.

| MOWW Division-Proposed Revenue Increase WITHOUT High Cost Fund | | | | | | | | |
|--|--|-------------|------------|-------------|------------|-------------|------------|-------------------|
| | | 2021 | | 2022 | | 2023 | | |
| Service Area | Customer Class | \$ Increase | % Increase | \$ Increase | % Increase | \$ Increase | % Increase | Total \$ Increase |
| MOWW - Village Greens | Residential & Small Commercial (Sewer - Passive) | 2,325 | 16.00% | 527 | 3.13% | 562 | 3.24% | 3,414 |
| MOWW - White Oaks | Residential & Small Commercial (Sewer - Passive) | 4,121 | 16.00% | 933 | 3.12% | 997 | 3.24% | 6,051 |
| MOWW - Oak Hills | Residential & Small Commercial (Sewer - Passive) | 45,859 | 16.00% | 10,393 | 3.13% | 11,093 | 3.24% | 67,345 |
| MOWW - Spreckels | Residential & Small Commercial (Sewer - Passive) | 24,726 | 16.00% | 5,604 | 3.13% | 5,981 | 3.24% | 36,311 |
| MOWW - Spreckels | Large Commercial (Sewer - Passive) | 5,705 | 16.00% | 1,293 | 3.13% | 1,380 | 3.24% | 8,378 |
| MOWW - Spreckels | Industrial (Sewer - Passive) | 2,535 | 15.99% | 575 | 3.13% | 613 | 3.24% | 3,723 |
| MOWW - Spreckels | Public Authority (School) (Sewer - Passive) | 476 | 16.02% | 107 | 3.10% | 115 | 3.24% | 698 |

| | | | | | | | | |
|-----------------------------|---|---------|--------|---------|-------|---------|-------|---------|
| MOWW - Indian Springs | Residential & Small Commercial (Sewer - Active) | 39,298 | 16.00% | 8,906 | 3.13% | 9,506 | 3.24% | 57,710 |
| MOWW - Pasadera | Residential & Small Commercial (Sewer - Active) | 57,888 | 16.00% | 13,118 | 3.13% | 14,002 | 3.24% | 85,008 |
| MOWW - Pasadera | Commercial (Sewer - Active) | 3,295 | 16.00% | 746 | 3.12% | 797 | 3.24% | 4,838 |
| MOWW - Las Palmas | Residential (Sewer - Active) | 234,609 | 16.00% | 53,166 | 3.13% | 56,749 | 3.24% | 344,524 |
| MOWW - Las Palmas | Commercial (Sewer - Active) | 1,412 | 16.00% | 320 | 3.13% | 342 | 3.24% | 2,074 |
| MOWW - Las Palmas | Golf Course (Sewer - Active) | 942 | 16.01% | 213 | 3.12% | 228 | 3.24% | 1,383 |
| MOWW - CV Ranch | Residential (Sewer - Active) | 70,830 | 16.00% | 16,051 | 3.13% | 17,133 | 3.24% | 104,014 |
| MOWW - CV Ranch | Hotel (Sewer - Active) | 33,887 | 16.00% | 7,680 | 3.13% | 8,197 | 3.24% | 49,764 |
| | Total | 527,908 | | 119,632 | | 127,694 | | 775,234 |

Customer Impact

If California American Water's proposed high cost fund for wastewater is **not approved**, a typical residential customer's monthly bills would resemble those below. The 2021 examples shown below are calculated using current rates as of June 2019.

| Monterey Wastewater Active System – Average Residential Bill <u>WITHOUT</u> High Cost Fund | | | | |
|--|--------------|-------------|---------------|------------|
| YEAR | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 126.51 | 26.63 | 153.14 | 21.05% |
| 2022 | 153.14 | 4.79 | 157.93 | 3.13% |
| 2023 | 157.93 | 5.11 | 163.04 | 3.24% |

| Monterey Wastewater Passive System – Average Residential Bill <u>WITHOUT</u> High Cost Fund | | | | |
|---|--------------|-------------|---------------|------------|
| YEAR | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 56.80 | 15.48 | 72.28 | 27.24% |
| 2022 | 72.28 | 2.26 | 74.54 | 3.13% |
| 2023 | 74.54 | 2.41 | 76.95 | 3.24% |

Primary Drivers of Rate Increase

There is an ongoing need to invest in the infrastructure that provides safe, reliable water for our customers. These increased cost drivers also apply to our wastewater customers. The proposed rate increases will:

- sustain new infrastructure investments
- allow higher depreciation
- support increased labor costs
- fund centralized services including information technology and laboratory costs
- balance changing demand

Obtaining a Copy of the Application

A copy of California American Water's proposed GRC application and related exhibits may be reviewed at California American Water's offices at the locations below:

- Monterey County – 511 Forest Lodge Road, Pacific Grove, CA 93950

Copies of the proposed application are also available to review at the CPUC's Central Files Office in San Francisco by appointment. For more information, please contact them at aljcentralfilesid@cpuc.ca.gov or (415) 703-2045.

The CPUC's Process

This application will be assigned to an Administrative Law Judge (Judge) who will determine how to receive evidence and other related documents necessary for the CPUC to establish a record upon which to base its decision. Evidentiary hearings may be held where utilities, consumer advocacy groups, and other entities which have been given official status as "parties" will present their testimony and may be subject to cross-examination by other parties. These evidentiary hearings are open to the public, but only those who are parties may participate. The hearings and documents submitted in the proceeding become part of the formal record that the Judge relies upon when writing a proposed decision to present to the Commissioners for their consideration.

After considering all proposals and all evidence presented during the formal hearing process, the Judge will issue a proposed decision determining whether to adopt California American Water's request, modify it, or deny it. Any of the CPUC's Commissioners may sponsor an alternate decision. The proposed decision and any alternate decisions will be discussed and voted upon at a scheduled Commission Voting Meeting.

The Public Advocates Office (Cal PA) may review this application. Cal PA is the independent consumer advocate within the CPUC with a legislative mandate to represent investor-owned utility customers to obtain the lowest possible rate for service consistent with reliable and safe service levels. Cal PA has a multi-disciplinary staff with expertise in economics, finance, accounting, and engineering. For more information about Cal PA, please call (415) 703-1584, e-mail PublicAdvocatesOffice@cpuc.ca.gov, or visit Cal PA's website at <http://www.publicadvocates.cpuc.ca.gov/>

Stay Informed

If you would like to follow this proceeding, or any other issue before the CPUC, you may use the CPUC's free subscription service. Sign up at <http://subscribecpuc.cpuc.ca.gov/>.

If you would like to learn how you can participate in the proceeding, have informal comments, or have questions about the CPUC's processes, you may access the CPUC's Public Advisor's webpage at <http://consumers.cpuc.ca.gov/pao/>. You may also contact the Public Advisor as follows:

Email: public.advisor@cpuc.ca.gov

Write: Public Advisor's Office, 505 Van Ness Avenue, San Francisco, CA 94102.

Call: Toll free 1-866-849-8390; TTY toll free 1-866-836-7825

Please reference **California American Water's GRC Application No. 19-XX-XXX** in any communications you have with the CPUC regarding this matter. All public comments will become part of the public correspondence file for this proceeding and be made available for review for the assigned Judge, the Commissioners, and appropriate CPUC staff.

SOUTHERN DIVISION

Para más información sobre este aviso por favor llame al número 1-888-237-1333

**Notice of General Rate Case Application filed by California American Water for an Increase in Water Rates
Southern Division
(APPLICATION NO. A.19-XX-XX)**

California American Water has filed a General Rate Case (GRC) application with the California Public Utilities Commission (CPUC) to increase customers' rates beginning January 1, 2021. This GRC will cover the years 2021-2023.

The Application

The CPUC requires California American Water to file a GRC every three years. On July 1, 2019, California American Water filed a GRC requesting revenue increases of \$25,999,900 (or 10.6%) for 2021, \$9,752,500 (or 3.59%) for 2022, and \$10,754,500 (or 3.82%) for 2023. If approved by the CPUC, the total revenue increase for all three years, for the Southern Division, would be \$23,781,100 (or 22.35%). The GRC includes revenue requirement information, the anticipated cost to run the water company's systems, new infrastructure investments, a request to increase rates to cover anticipated costs and other requests the water company deems necessary to run its business.

Rate Consolidation

As part of this GRC, California American Water is proposing a Southern Division consolidation. The consolidations will encompass our San Diego, Los Angeles and Ventura districts for ratemaking and operations purposes. The consolidation proposals should provide customer benefits by spreading costs of large infrastructure projects over time and over a larger base of customers.

Southern Division

The proposed Southern Division consolidation includes the Ventura, San Diego and Los Angeles County service districts. These systems are served primarily with water purchased from the Metropolitan Water District and share common management and administrative support staff.

A. With Consolidation

California American Water's revenue proposals for the Southern Division, with consolidation, are shown by customer class in the chart below.

| Southern Division-Proposed Revenue Increase <u>with</u> Consolidation | | | | | | | |
|--|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------------|
| (Includes Ventura, LA - Baldwin Hills, LA – Duarte, LA – San Marino, Rio Plaza, and the Proposed Bellflower Acquisition.) | | | | | | | |
| | 2021 | | 2022 | | 2023 | | |
| | <u>\$ Increase</u> | <u>% Increase</u> | <u>\$ Increase</u> | <u>% Increase</u> | <u>\$ Increase</u> | <u>% Increase</u> | <u>Total \$ Increase</u> |
| Residential | 12,106,272 | 18.60% | 1,496,348 | 1.94% | 2,696,931 | 3.42% | 16,299,551 |
| Multiresidential | (10,166) | -40.73% | 464 | 3.14% | 522 | 3.42% | (9,180) |
| Commercial | 3,348,854 | 11.88% | 717,896 | 2.27% | 1,108,786 | 3.42% | 5,175,536 |
| Industrial | 450,467 | 11.38% | (9,796) | -0.22% | 151,829 | 3.42% | 592,500 |
| Public Authority | 890,520 | 12.23% | 184,721 | 2.27% | 285,201 | 3.42% | 1,360,442 |
| Other | 48,867 | 14.49% | 15,062 | 3.67% | 14,581 | 3.42% | 78,510 |
| Construction | 6,022 | 141.96% | (23) | -0.22% | 351 | 3.42% | 6,350 |

| | | | | | | | |
|-------------------------------------|------------|--------|-----------|-------|-----------|-------|------------|
| Residential Fire Protection Service | 10,290 | 12.70% | 3,862 | 3.62% | 3,781 | 3.42% | 17,933 |
| Private Fire Protection Service | (71,511) | -9.88% | (6) | 0.00% | 22,330 | 3.42% | (49,187) |
| Total | 16,779,615 | | 2,408,528 | | 4,284,311 | | 23,472,454 |

Customer Impact

If California American Water's proposed consolidation of the Southern Division is approved, a typical residential customer's monthly water bills (with a 5/8-inch meter size for all service areas, except for Rio Plaza which uses 3/4-inch meter size) would resemble those below. **Rate impacts may vary due to pending proposed changes in rate design. Amounts shown include fees, taxes, and surcharges.**

| Ventura District Average Residential Bill with Consolidation | | | | | | |
|---|------------|--------------------------------|---------------|--------------|---------------|---------------|
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>126.6</u> | <u>102.71</u> | <u>0.89</u> | <u>103.60</u> | <u>0.87%</u> |
| 2022 | 5/8-inch | <u>126.6</u> | <u>103.60</u> | <u>2.16</u> | <u>105.76</u> | <u>2.08%</u> |
| 2023 | 5/8-inch | <u>126.6</u> | <u>105.76</u> | <u>3.62</u> | <u>109.38</u> | <u>3.42%</u> |
| | | | | | | |
| San Diego District Average Residential Bill with Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>66.8</u> | <u>71.07</u> | <u>1.95</u> | <u>73.03</u> | <u>2.74%</u> |
| 2022 | 5/8-inch | <u>66.8</u> | <u>73.03</u> | <u>1.52</u> | <u>74.55</u> | <u>2.08%</u> |
| 2023 | 5/8-inch | <u>66.8</u> | <u>74.55</u> | <u>2.55</u> | <u>77.10</u> | <u>3.42%</u> |
| | | | | | | |
| Los Angeles - Baldwin Hills District Average Residential Bill with Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>102.8</u> | <u>79.66</u> | <u>1.55</u> | <u>81.21</u> | <u>1.95%</u> |
| 2022 | 5/8-inch | <u>102.8</u> | <u>81.21</u> | <u>1.69</u> | <u>82.90</u> | <u>2.08%</u> |
| 2023 | 5/8-inch | <u>102.8</u> | <u>82.90</u> | <u>2.84</u> | <u>85.74</u> | <u>3.42%</u> |
| | | | | | | |
| Los Angeles - Duarte District Average Residential Bill with Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>123.2</u> | <u>85.59</u> | <u>-2.42</u> | <u>83.17</u> | <u>-2.83%</u> |
| 2022 | 5/8-inch | <u>123.2</u> | <u>83.17</u> | <u>1.73</u> | <u>84.90</u> | <u>2.08%</u> |
| 2023 | 5/8-inch | <u>123.2</u> | <u>84.90</u> | <u>2.91</u> | <u>87.81</u> | <u>3.42%</u> |
| | | | | | | |
| Los Angeles - San Marino District Average Residential Bill with Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>142.6</u> | <u>83.04</u> | <u>13.82</u> | <u>96.86</u> | <u>16.64%</u> |
| 2022 | 5/8-inch | <u>142.6</u> | <u>96.86</u> | <u>2.02</u> | <u>98.88</u> | <u>2.08%</u> |
| 2023 | 5/8-inch | <u>142.6</u> | <u>98.88</u> | <u>3.38</u> | <u>102.26</u> | <u>3.42%</u> |

| Rio Plaza District Average Residential Bill with Consolidation | | | | | | |
|---|------------|--------------------------------|--------------|-------------|---------------|---------------|
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 3/4 inch | <u>98.7</u> | <u>57.36</u> | <u>6.47</u> | <u>63.83</u> | <u>11.28%</u> |
| 2022 | 3/4 inch | <u>98.7</u> | <u>63.83</u> | <u>1.33</u> | <u>65.16</u> | <u>2.08%</u> |
| 2023 | 3/4 inch | <u>98.7</u> | <u>65.16</u> | <u>2.23</u> | <u>67.39</u> | <u>3.42%</u> |

¹: CGL= 100 gallons

B. Without Consolidation

California American Water's proposed revenue increases **without** consolidation, for each Southern District are shown below.

| San Diego District-Proposed Revenue Increase without Consolidation | | | | | | | |
|---|-------------|------------|-------------|------------|-------------|------------|-------------------|
| | 2021 | | 2022 | | 2023 | | Total \$ Increase |
| | \$ Increase | % Increase | \$ Increase | % Increase | \$ Increase | % Increase | |
| Residential | 2,365,211 | 15.71% | 682,394 | 3.90% | 460,921 | 2.54% | 3,508,526 |
| Commercial | 866,020 | 7.72% | 467,136 | 3.86% | 318,372 | 2.54% | 1,651,528 |
| Public Authority | 283,025 | 8.24% | 143,344 | 3.87% | 97,630 | 2.54% | 523,999 |
| Other | 23,440 | 9.09% | 11,764 | 3.87% | 8,012 | 2.54% | 43,216 |
| Residential Fire Protection Service | 7,799 | 11.56% | 3,321 | 3.85% | 2,271 | 2.54% | 13,391 |
| Private Fire Protection Service | (35,099) | -21.25% | 0 | 0.00% | 3,298 | 2.54% | (31,801) |
| Method 5 Revenues | 0 | 0.00% | 0 | 0.00% | 1,003 | 2.54% | 1,003 |
| Misc Service Revenues | 0 | 0.00% | 0 | 0.00% | 3,127 | 2.54% | 3,127 |
| Total | 3,510,396 | | 1,307,959 | | 894,634 | | 5,712,989 |

Without consolidation, the proposed revenue increases in the Los Angeles District are shown in the chart below by customer class.

| Los Angeles District-Proposed Revenue Increase without Consolidation (Includes Baldwin Hills, Duarte, San Marino, Rio Plaza, and the Proposed Bellflower Acquisition.) | | | | | | | |
|--|-------------|------------|-------------|------------|-------------|------------|-------------------|
| | 2021 | | 2022 | | 2023 | | Total \$ Increase |
| | \$ Increase | % Increase | \$ Increase | % Increase | \$ Increase | % Increase | |

| | | | | | | | |
|-------------------------------------|-----------|---------|-----------|-------|-----------|-------|------------|
| Residential | 5,563,874 | 20.84% | 953,732 | 2.95% | 1,682,032 | 5.06% | 8,199,638 |
| Multiresidential | (10,166) | -40.73% | 464 | 3.14% | 772 | 5.06% | (8,930) |
| Commercial | 1,200,196 | 13.53% | 300,055 | 2.98% | 525,571 | 5.06% | 2,025,822 |
| Industrial | 47,768 | 13.07% | 12,092 | 2.96% | 21,313 | 5.06% | 81,173 |
| Public Authority | 257,065 | 16.17% | 54,879 | 2.98% | 95,956 | 5.06% | 407,900 |
| Other | 25,427 | 32.03% | 3,298 | 3.09% | 5,566 | 5.06% | 34,291 |
| Residential Fire Protection Service | 2,208 | 18.60% | 555 | 3.15% | 919 | 5.06% | 3,682 |
| Private Fire Protection Service | (8,798) | -2.96% | 0 | 0.00% | 14,576 | 5.06% | 5,778 |
| Method 5 Revenues | 0 | 0.00% | 0 | 0.00% | 2,798 | 5.06% | 2,798 |
| Misc Service Revenues | 0 | 0.00% | 0 | 0.00% | 19,830 | 5.06% | 19,830 |
| Total | 7,077,574 | | 1,325,075 | | 2,369,333 | | 10,771,982 |

Without consolidation, the proposed revenue increases in the Ventura District are shown in the chart below by customer class.

| Ventura District-Proposed Revenue Increase without Consolidation | | | | | | | |
|---|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------------|
| | 2021 | | 2022 | | 2023 | | |
| | <u>\$ Increase</u> | <u>% Increase</u> | <u>\$ Increase</u> | <u>% Increase</u> | <u>\$ Increase</u> | <u>% Increase</u> | <u>Total \$ Increase</u> |
| Residential | 4,177,187 | 17.91% | (139,778) | -0.51% | 686,698 | 2.51% | 4,724,107 |
| Commercial | 1,282,638 | 15.83% | (49,295) | -0.52% | 237,086 | 2.51% | 1,470,429 |
| Industrial | 402,699 | 11.20% | (21,888) | -0.54% | 100,704 | 2.51% | 481,515 |
| Public Authority | 350,430 | 15.51% | (13,502) | -0.52% | 64,858 | 2.51% | 401,786 |
| Construction | 6,022 | 141.96% | (23) | -0.22% | 257 | 2.51% | 6,256 |
| Residential Fire Protection Service | 283 | 16.44% | (14) | -0.51% | 69 | 2.51% | 338 |
| Private Fire Protection Service | (27,614) | -10.55% | (6) | 0.00% | 5,876 | 2.51% | (21,744) |
| Method 5 Revenues | 0 | 0.00% | 0 | 0.00% | 370 | 2.51% | 370 |
| Misc Service Revenues | 0 | 0.00% | 0 | 0.00% | 2,662 | 2.51% | 2,662 |
| Total | 6,191,645 | | (224,506) | | 1,098,579 | | 7,065,718 |

Customer Impact

If California American Water's proposed consolidation of the Southern Division is **not approved**, a typical residential customer's monthly water bills (with a 5/8-inch meter size) would resemble those below. **Rate impacts may vary due to proposed changes in rate design. Amounts shown include fees, taxes, and surcharges.**

| Ventura District Average Residential Bill without Consolidation | | | | | | |
|---|------------|--------------------------------|---------------|--------------|---------------|---------------|
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>126.6</u> | <u>102.71</u> | <u>17.21</u> | <u>119.92</u> | <u>16.76%</u> |
| 2022 | 5/8-inch | <u>126.6</u> | <u>119.92</u> | <u>-0.61</u> | <u>119.31</u> | <u>-0.51%</u> |
| 2023 | 5/8-inch | <u>126.6</u> | <u>119.31</u> | <u>2.99</u> | <u>122.30</u> | <u>2.51%</u> |
| San Diego District Average Residential Bill without Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>66.8</u> | <u>71.07</u> | <u>9.14</u> | <u>80.21</u> | <u>12.86%</u> |
| 2022 | 5/8-inch | <u>66.8</u> | <u>80.21</u> | <u>3.09</u> | <u>83.30</u> | <u>3.85%</u> |
| 2023 | 5/8-inch | <u>66.8</u> | <u>83.30</u> | <u>2.11</u> | <u>85.41</u> | <u>2.54%</u> |
| Los Angeles District- Baldwin Hills Average Residential Bill without Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>102.8</u> | <u>83.04</u> | <u>19.61</u> | <u>102.65</u> | <u>23.62%</u> |
| 2022 | 5/8-inch | <u>102.8</u> | <u>102.65</u> | <u>3.24</u> | <u>105.89</u> | <u>3.15%</u> |
| 2023 | 5/8-inch | <u>102.8</u> | <u>105.89</u> | <u>5.36</u> | <u>111.25</u> | <u>5.06%</u> |
| Los Angeles District- Duarte Average Residential Bill without Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>123.2</u> | <u>85.59</u> | <u>9.2</u> | <u>94.79</u> | <u>10.75%</u> |
| 2022 | 5/8-inch | <u>123.2</u> | <u>94.79</u> | <u>2.99</u> | <u>97.78</u> | <u>3.15%</u> |
| 2023 | 5/8-inch | <u>123.2</u> | <u>97.78</u> | <u>4.95</u> | <u>102.73</u> | <u>5.06%</u> |
| Los Angeles District- San Marino Average Residential Bill without Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 5/8-inch | <u>142.6</u> | <u>83.04</u> | <u>19.61</u> | <u>102.65</u> | <u>23.62%</u> |
| 2022 | 5/8-inch | <u>142.6</u> | <u>102.65</u> | <u>3.24</u> | <u>105.89</u> | <u>3.15%</u> |
| 2023 | 5/8-inch | <u>142.6</u> | <u>105.89</u> | <u>5.36</u> | <u>111.25</u> | <u>5.06%</u> |
| Rio Plaza District Average Residential Bill without Consolidation | | | | | | |
| Year | Meter Size | Average Use (CGL) ¹ | Current Bill | \$ Increase | Proposed Bill | % Increase |
| 2021 | 3/4 inch | <u>98.7</u> | <u>57.36</u> | <u>26.52</u> | <u>83.88</u> | <u>46.22%</u> |

| | | | | | | |
|------|----------|-------------|--------------|-------------|--------------|--------------|
| 2022 | 3/4 inch | <u>98.7</u> | <u>83.88</u> | <u>2.64</u> | <u>86.52</u> | <u>3.15%</u> |
| 2023 | 3/4 inch | <u>98.7</u> | <u>86.52</u> | <u>4.38</u> | <u>90.90</u> | <u>5.06%</u> |

¹: CGL= 100 gallons

Primary Drivers of Rate Increase

There is an ongoing need to invest in the infrastructure that provides safe, reliable water for our customers. This application will cover proposals to make investments to improve water quality and comply with new regulations. The proposed rate increases will also:

- sustain new infrastructure investments,
- allow higher depreciation,
- adjust for higher costs for purchased water,
- increase operating and maintenance costs, and
- fund information technology and laboratory costs.

Obtaining a Copy of the Application

A copy of California American Water's proposed GRC application and related exhibits may be reviewed at California American Water's offices at the locations below:

- Los Angeles County - 8657 Grand Avenue, Rosemead, CA 91770
- Monterey County – 511 Forest Lodge Road, Pacific Grove, CA 93950
- Sacramento Area – 4701 Beloit Drive, Sacramento, CA 95838
- San Diego County - 1025 Palm Avenue, Imperial Beach, CA 91932
- Sonoma County – 4787 Old Redwood Highway, Santa Rosa, CA 95403
- Ventura County - 2439 W. Hillcrest Drive, Newbury Park, CA 91320

Copies of the proposed application are also available to review at the CPUC's Central Files Office in San Francisco by appointment. For more information, please contact them at aljcentralfilesid@cpuc.ca.gov or (415) 703-2045.

The CPUC's Process

This application will be assigned to an Administrative Law Judge (Judge) who will determine how to receive evidence and other related documents necessary for the CPUC to establish a record upon which to base its decision. Evidentiary hearings may be held where utilities, consumer advocacy groups, and other entities which have been given official status as "parties" will present their testimony and may be subject to cross-examination by other parties. These evidentiary hearings are open to the public, but only those who are parties may participate. The hearings and documents submitted in the proceeding become part of the formal record that the Judge relies upon when writing a proposed decision to present to the Commissioners for their consideration.

After considering all proposals and all evidence presented during the formal hearing process, the Judge will issue a proposed decision determining whether to adopt California American Water's request, modify it, or deny it. Any of the CPUC's Commissioners may sponsor an alternate decision. The proposed decision and any alternate decisions will be discussed and voted upon at a scheduled Commission Voting Meeting.

The Public Advocates Office (Cal PA) may review this application. Cal PA is the independent consumer advocate within the CPUC with a legislative mandate to represent investor-owned utility customers to obtain the lowest possible rate for service consistent with reliable and safe service levels. Cal PA has a multi-disciplinary staff with expertise in economics, finance, accounting, and engineering. For more information about Cal PA, please call (415) 703-1584, e-mail

PublicAdvocatesOffice@cpuc.ca.gov, or visit Cal PA's website at <http://www.publicadvocates.cpuc.ca.gov/>

Stay Informed

If you would like to follow this proceeding, or any other issue before the CPUC, you may use the CPUC's free subscription service. Sign up at <http://subscribecpuc.cpuc.ca.gov/>.

If you would like to learn how you can participate in the proceeding, have informal comments, or have questions about the CPUC's processes, you may access the CPUC's Public Advisor's webpage at <http://consumers.cpuc.ca.gov/pao/>. You may also contact the Public Advisor as follows:

Email: public.advisor@cpuc.ca.gov

Write: Public Advisor's Office, 505 Van Ness Avenue, San Francisco, CA 94102.

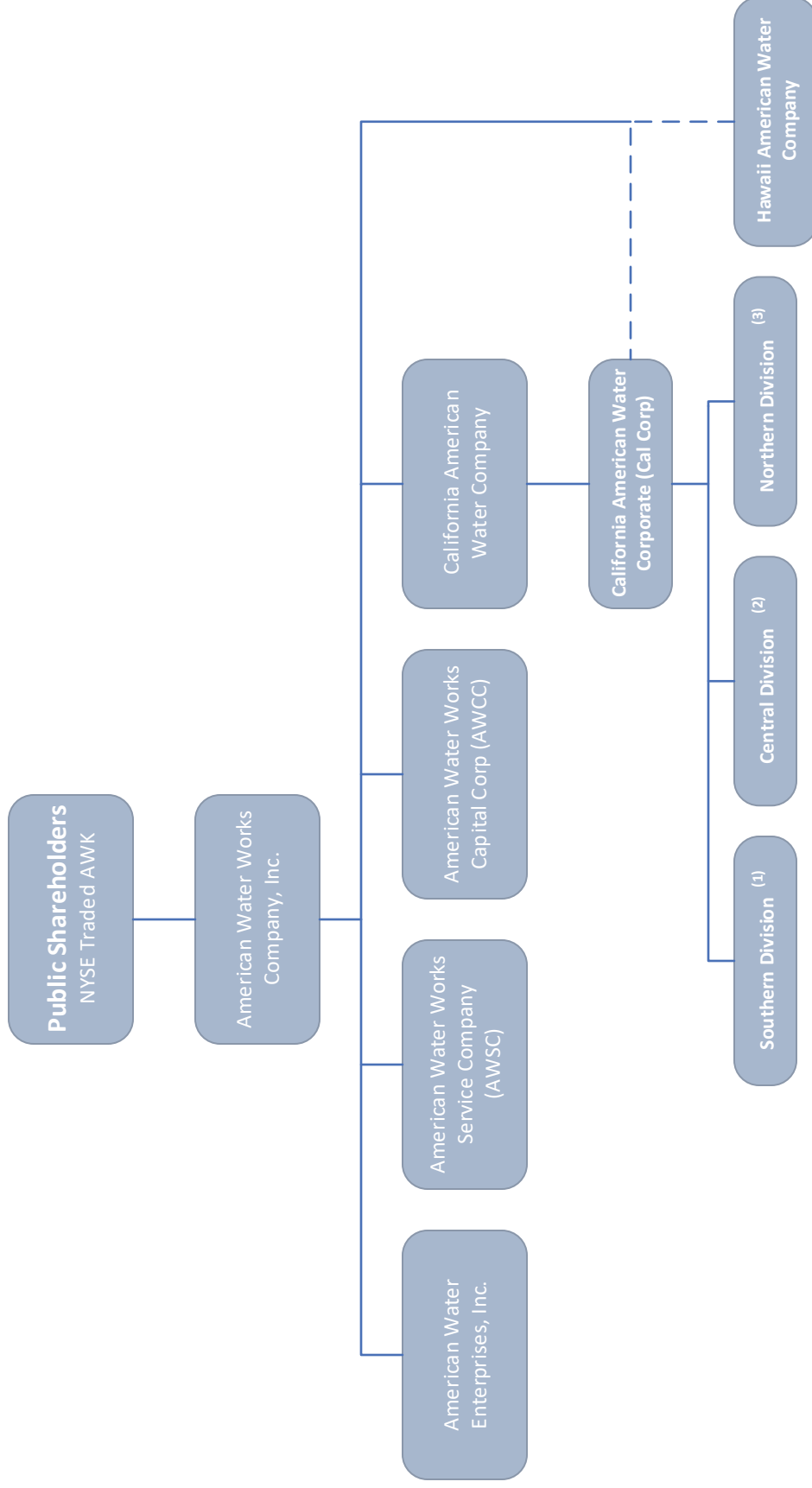
Call: Toll free 1-866-849-8390; TTY toll free 1-866-836-7825

Please reference **California American Water's GRC Application No. 19-XX-XXX** in any communications you have with the CPUC regarding this matter. All public comments will become part of the public correspondence file for this proceeding and be made available for review for the assigned Judge, the Commissioners, and appropriate CPUC staff.

EXHIBIT D



Company Organizational Structure



Notes:

- (1) Includes San Diego, Los Angeles and Ventura County Districts
- (2) Includes Monterey County District, Central Satellites, and Monterey County Wastewater District
- (3) Includes Sacramento, Larkfield and Meadowbrook Districts